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R 400.20608
Source: 1983 AACS.

R 400.20609
Source: 1983 AACS.

R 400.20610
Source: 1983 AACS.

R 400.20611
Source: 1983 AACS.

R 400.20612
Source: 1983 AACS.

R 400.20613
Source: 1983 AACS.

R 400.20614
Source: 1983 AACS.

R 400.20615
Source: 1983 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES
BUREAU OF WORKERS' DISABILITY COMPENSATION

GENERAL RULES

PART 1. RECORDS

R 408.31
Source: 1998-2000 AACS.

R 408.31a
Source: 1998-2000 AACS.

R 408.32
Source: 1998-2000 AACS.

R 408.32a
Source: 1998-2000 AACS.

R 408.33
Source: 1998-2000 AACS.

PART 2. HEARINGS

R 408.34
Source: 1998-2000 AACS.

R 408.35
Source: 1998-2000 AACS.

R 408.36
Source: 1984 AACS.

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R 408.37
Source: 1998-2000 AACS.

R 408.38
Source: 1998-2000 AACS.

R 408.39
Source: 1998-2000 AACS.

R 408.40
Source: 1998-2000 AACS.

R 408.40a
Source: 1998-2000 AACS.

R 408.40b
Source: 1998-2000 AACS.

R 408.40c
Source: 1998-2000 AACS.

R 408.40d
Source: 1998-2000 AACS.

R 408.40e
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R 408.40f
Source: 1998-2000 AACS.

R 408.40g
Source: 1998-2000 AACS.

R 408.40h
Source: 1998-2000 AACS.

PART 3. INSURANCE

R 408.41b
Source: 1998-2000 AACS.

R 408.41c
Source: 1998-2000 AACS.

R 408.42
Source: 1998-2000 AACS.

R 408.42a
Source: 1998-2000 AACS.

R 408.42b
Source: 1998-2000 AACS.

R 408.43
Source: 1998-2000 AACS.

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R 408.43a

Source: 1998-2000 AACS.

R 408.43b

Source: 1998-2000 AACS.

R 408.43c

Source: 1998-2000 AACS.

R 408.43i

Source: 2003 AACS.

R 408.43k

Source: 1998-2000 AACS.

R 408.43m

Source: 1998-2000 AACS.

R 408.43n

Source: 1998-2000 AACS.

R 408.43q

Source: 1998-2000 AACS.

R 408.43s

Source: 2003 AACS.

R 408.43t Group self-insurance; employee leasing.

Rule 43t. On or after the effective date of this rule, an employee leasing company approved for membership in a group self-insurance fund pursuant to MCL 418.611(2) of the workers' compensation act shall qualify as being in the same industry of the group fund if the employee leasing company meets all of the following conditions:

(a) The individual or individuals or entity or entities owning the entity or entities where the employees are or will be placed shall have a combined majority ownership interest of at least 51% in the prospective member leasing company.

(b) The leasing company shall only lease employees to entities that qualify for and participate in the group to which the leasing company seeks admission.

(c) The application submitted for membership by the employee leasing company shall clearly state on the first page of the application that the entity is an employee leasing company and shall name all the owners of the leasing company and the percentage of ownership of each owner. Any change in the percentage of ownership shall be reported to the group fund and the agency within 10 days of the ownership change. If the leasing company no longer meets the requirements of subdivision (a) or (b) of this rule after the change in ownership, then the leasing company shall be subject to termination pursuant to R 408.43g(4).

(d) The application shall identify and name the entity or entities with which employees are placed or to be placed, the name of each individual or entity that owns the entity with which employees are or will be placed, and the percentage or ownership interest for each.

(e) If the leasing company leases employees to any entity which is not a member of the group fund of which the leasing company is a member, or the leasing company fails to report any changes in ownership to the group fund and the agency within 10 days of the change in ownership, then the leasing company shall be terminated from participation in the group fund, pursuant to R 408.43g(4).

History: MR 5, Eff. Mar, 2, 2006.

PART 4. MISCELLANEOUS

R 408.44

Source: 1998-2000 AACS.

R 408.45

Source: 1998-2000 AACS.

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R 408.46
Source: 1998-2000 AACS.

R 408.48
Source: 1985 AACS.

PART 5. REVIEW AND APPEAL

R 408.49
Source: 1998-2000 AACS.

R 408.50
Source: 1998-2000 AACS.

R 408.51
Source: 1998-2000 AACS.

R 408.52
Source: 1998-2000 AACS.

PART 6. DEFINITIONS

R 408.59
Source: 1984 AACS.

SKI AREA SAFETY BOARD
GENERAL RULES

R 408.61
Source: 1998-2000 AACS.

R 408.65
Source: 1998-2000 AACS.

R 408.66
Source: 1997 AACS.

R 408.68
Source: 1997 AACS.

R 408.69
Source: 1997 AACS.

R 408.70
Source: 1998-2000 AACS.

R 408.71
Source: 1997 AACS.

R 408.75
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R 408.76
Source: 1998-2000 AACS.

R 408.77

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Source: 1998-2000 AACS.

R 408.78

Source: 1998-2000 AACS.

R 408.79

Source: 1989 AACS.

R 408.80

Source: 1998-2000 AACS.

R 408.81

Source: 1998-2000 AACS.

R 408.82

Source: 1998-2000 AACS.

R 408.83

Source: 1989 AACS.

R 408.90

Source: 1989 AACS.

R 408.91

Source: 1997 AACS.

R 408.92

Source: 1989 AACS.

R 408.97

Source: 1997 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

BUREAU OF SAFETY AND REGULATION

OCCUPATIONAL HEALTH STANDARDS COMMISSION

MINE SAFETY

Rule 408.121

Source: 1998-2000 AACS.

Rule 408.122

Source: 1998-2000 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

OCCUPATIONAL HEALTH STANDARDS COMMISSION

ABANDONED AND IDLE MINES

R 408.171

Source: 1998-2000 AACS.

R 408.172

Source: 1998-2000 AACS.

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R 408.174
Source: 1998-2000 AACS.

R 480.175
Source: 1998-2000 AACS.

R 408.176
Source: 1998-2000 AACS.

R 408.177
Source: 1998-2000 AACS.

R 408.178
Source: 1998-2000 AACS.

R 408.179
Source: 1998-2000 AACS.

R 408.180
Source: 1998-2000 AACS.

BUREAU OF SAFETY AND REGULATION
EMPLOYMENT OF MINORS

R 408.201
Source: 1997 AACS.

R 408.202
Source: 1997 AACS.

R 408.203
Source: 1997 AACS.

R 408.204
Source: 1997 AACS.

R 408.205
Source: 1997 AACS.

R 408.206
Source: 1997 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES
BUREAU OF SAFETY AND REGULATION
OCCUPATIONAL HEALTH STANDARDS COMMISSION
OXYGEN SUPPLY EQUIPMENT

R 408.491
Source: 1998-2000 AACS.

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R 408.492

Source: 1998-2000 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

OCCUPATIONAL HEALTH STANDARDS COMMISSION

HEARINGS

R 408.501

Source: 1998-2000 AACS.

R 408.502

Source: 1998-2000 AACS.

R 408.503

Source: 1998-2000 AACS.

R 408.504

Source: 1998-2000 AACS.

R 408.505

Source: 1998-2000 AACS.

R 408.506

Source: 1998-2000 AACS.

BUREAU OF EMPLOYMENT STANDARDS

GENERAL RULES

PART 1. GENERAL PROVISIONS

R 408.701

Source: 1998-2000 AACS.

R 408.702

Source: 1998-2000 AACS.

R 408.703

Source: 1998-2000 AACS.

R 408.704

Source: 1998-2000 AACS.

R 408.705

Source: 1998-2000 AACS.

R 408.706

Source: 1998-2000 AACS.

PART 2. OVERTIME COMPENSATION

R 408.721

Source: 1998-2000 AACS.

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R 408.722
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R 408.723
Source: 1998-2000 AACS.

R 408.724
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R 408.725
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R 408.727
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R 408.728
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R 408.729
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R 408.730
Source: 1998-2000 AACS.

R 408.731
Source: 1997 AACS.

R 408.732
Source: 1997 AACS.

R 408.733
Source: 1998-2000 AACS.

R 408.734
Source: 1998-2000 AACS.

R 408.735
Source: 1998-2000 AACS.

DIRECTOR OF LABOR AND WAGE DEVIATION BOARD
CERTIFICATES FOR SHELTERED WORKSHOPS AND
EMPLOYMENT OF HANDICAPPED WORKERS

R 408.751
Source: 1997 AACS.

R 408.752
Source: 1997 AACS.

R 408.753
Source: 1997 AACS.

R 408.754
Source: 1997 AACS.

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R 408.755
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R 408.760
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R 408.761
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R 408.762
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R 408.763
Source: 1997 AACS.

R 408.764
Source: 1997 AACS.

BUREAU OF EMPLOYMENT STANDARDS
WAGE DEVIATION

R 408.771
Source: 1983 AACS.

R 408.772
Source: 1983 AACS.

R 408.773
Source: 1983 AACS.

R 408.774
Source: 1983 AACS.

R 408.775
Source: 1983 AACS.

R 408.776
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Source: 1983 AACS.

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Source: 1983 AACS.

R 408.780
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R 408.781
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R 408.782
Source: 1983 AACS.

R 408.783
Source: 1983 AACS.

R 408.784
Source: 1983 AACS.

R 408.785
Source: 1983 AACS.

R 408.786
Source: 1983 AACS.

R 408.787
Source: 1983 AACS.

DIRECTOR'S OFFICE
CARNIVAL AND AMUSEMENT RIDES
PART 1. GENERAL PROVISIONS

R 408.801
Source: 2003 AACS.

R 408.802
Source: 2003 AACS.

R 408.803
Source: 2003 AACS.

R 408.805
Source: 1997 AACS.

R 408.806
Source: 2003 AACS.

R 408.807
Source: 1997 AACS.

R 408.809
Source: 1997 AACS.

R 408.811
Source: 1997 AACS.

R 408.813

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Source: 2003 AACS.

R 408.814

Source: 2003 AACS.

R 408.815

Source: 1997 AACS.

R 408.816

Source: 1983 AACS.

R 408.817

Source: 1996 AACS.

R 408.819

Source: 1983 AACS.

PART 2. DESIGN, CONSTRUCTION, AND OPERATION

R 408.821

Source: 2003 AACS.

R 408.822

Source: 1997 AACS.

R 408.824

Source: 1983 AACS.

R 408.825

Source: 1983 AACS.

R 408.826

Source: 1983 AACS.

R 408.827

Source: 1983 AACS.

R 408.828

Source: 1983 AACS.

R 408.829

Source: 1983 AACS.

R 408.830

Source: 1983 AACS.

R 408.831

Source: 1983 AACS.

R 408.832

Source: 1983 AACS.

R 408.833

Source: 2003 AACS.

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Source: 2003 AACS.

R 408.835

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Source: 1983 AACS.

R 408.837

Source: 2003 AACS.

R 408.838

Source: 2003 AACS.

R 408.839

Source: 1996 AACS.

R 408.839a

Source: 2003 AACS.

R 408.841

Source: 2003 AACS.

R 408.843

Source: 2003 AACS.

R 408.844

Source: 2003 AACS.

R 408.846

Source: 1983 AACS.

R 408.848

Source: 1996 AACS.

R 408.849

Source: 1983 AACS.

R 408.851

Source: 1983 AACS.

R 408.852

Source: 2003 AACS.

R 408.854

Source: 1983 AACS.

R 408.856

Source: 1983 AACS.

PART 3. PROCEDURES

R 408.871

Source: 1983 AACS.

R 408.872

Source: 1983 AACS.

R 408.873

Source: 1983 AACS.

R 408.874

Source: 1983 AACS.

R 408.876

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Source: 2003 AACS.

R 408.877

Source: 2003 AACS.

R 408.881

Source: 2003 AACS.

R 408.882

Source: 2003 AACS.

R 408.885

Source: 2003 AACS.

R 408.886

Source: 2003 AACS.

R 408.887

Source: 2003 AACS.

PART 4. PARTICIPATORY RIDES—GO-KARTS

R 408.891

Source: 2003 AACS.

R 408.891a

Source: 1998-2000 AACS.

R 408.893

Source: 1998-2000 AACS.

R 408.895

Source: 1998-2000 AACS.

R 408.897

Source: 1998-2000 AACS.

PART 5. SIGNS AND SAFETY WARNINGS

R 408.898

Source: 2003 AACS.

BOILERS

PART 1. GENERAL PROVISIONS

R 408.4011

Source: 1998-2000 AACS.

R 408.4012 Definitions.

Rule 12. (1) “Accident” means a sudden and accidental breakdown of a boiler or a part of a boiler that results in physical damage to the boiler which necessitates the repair or replacement of the boiler or a part of the boiler. “Accident” does not mean a breakdown due to any of the following unless a unique or unusual explosion hazard exists as a result of the breakdown:

- (a) Normal erosion.
- (b) Corrosion.
- (c) Wastage of metal that requires restoration.
- (d) Leaking tubes.

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- (e) Weakened metal, such as water legs or handhole areas.
- (2) "Act" means 1965 PA 290, MCL 408.751 et seq.
- (3) "Aftercooler" means a device used for lowering the temperature of a boiler blowoff discharge before it enters the building drain.
- (4) "Alteration" means any change in the item described on the original manufacturer's data report that affects the pressure-containing capability of the boiler or its piping. A nonphysical change such as an increase in the maximum allowable working pressure (internal or external) or design temperature of a boiler or its piping is an alteration.
- (5) "ASME," "ASME boiler and pressure vessel code," "ASME code," or "code" means the boiler and pressure vessel code of the American Society of Mechanical Engineers, with addenda, as prescribed and approved by the council of the society.
- (6) "Authorized inspector" means an individual who is designated as an authorized inspector by an authorized inspection agency, who holds a valid certificate of competency and national board commission with an "A" or "B" endorsement, and who is employed by the authorized inspection agency that assumes responsibility for the individual's actions.
- (7) "Board of boiler rules" or "board" means the board created by the act.
- (8) "Boiler assembler" means a corporation, company, partnership, or individual who assembles a boiler that has been delivered in pieces. For ASME code section I power boiler assemblies, a boiler assembler shall possess the appropriate code symbol stamps.
- (9) "Boiler blowoff piping" means the piping, fittings, and valves from the boiler to the blowoff tank, blowoff separator, or other safe point of discharge through which the water in the boiler may be blown out under pressure, except for drains such as those used in water columns, gauge glasses, or piping to feed water regulators and similar devices.
- (10) "Boiler blowdown vessel" means an unfired pressure vessel into which water is discharged above atmospheric pressure from a boiler blowoff line.
- (11) "Boiler installation" means the installation of a boiler, including all connected piping, valves, fittings, flanges, firing equipment, controls, appurtenances, and auxiliaries. The term includes the field assembly of boilers.
- (12) "CSD-1" means the ASME code for controls and safety devices for automatically fired boilers.
- (13) "Certificate of competency" means a certificate issued to a person who has passed an examination for inspectors prescribed by the board of boiler rules.
- (14) "Chief inspector" means the chief boiler inspector appointed under the act.
- (15) "Condemned boiler" means a boiler that has been inspected and declared unsafe or rejected for use by an inspector who is qualified to take such action and who has applied a stamping or marking designating its rejection.
- (16) "Department" means the department of labor and economic growth.
- (17) "Deputy inspector" means an inspector who is licensed under the act and appointed by the director.
- (18) "Existing installation" means and includes any steam boiler constructed, installed, placed in operation, or contracted for before August 10, 1917, or any hot water heating or supply boiler constructed, installed, placed in operation, or contracted for before the effective date of these rules.
- (19) "External inspection" means an inspection which is conducted while the boiler is under pressure and which does not involve examination of the internal surfaces of the pressure parts of the boiler.
- (20) "Field assembly" means assembling prefabricated boiler pressure parts without field welding or riveting.
- (21) "Field erection" means the erecting and assembling of boiler parts by welding, riveting, or other fabrication processes.
- (22) "Flash tank" means a closed vessel equipped with internal baffles or an apparatus for the purpose of separating moisture from flash steam as it passes through the vessel.
- (23) "Hobby" means an interest or activity that a person pursues in his or her leisure time without compensation.
- (24) "Hot water heating and hot water supply boiler" means a boiler that operates at pressures of not more than 160 psi or temperatures of not more than 250 degrees Fahrenheit, at or near the boiler outlet.
- (25) "Inspector" means an individual who holds a valid certificate of competency and national board commission.
- (26) "Internal inspection" means an inspection made when a boiler is shut down and handholes or manholes are opened for inspection of the interior.
- (27) "Licensed boiler installer" means a person licensed under the act to engage in the business of making piping connections to a boiler or in the business of field-assembling boilers.
- (28) "Licensed boiler repairer" means a person licensed under the act to engage in making or supervising all phases of boiler repair, alteration, or field erection.
- (29) "Labeled" means devices, equipment, appliances, or material to which have been affixed a label, seal, symbol, or other identifying mark of a nationally recognized testing laboratory, inspection agency, or other organization concerned with product evaluation that maintains periodic inspection of the production of the items and by whose label the manufacturer attests to compliance with applicable nationally recognized standards.
- (30) "Michigan special" means a boiler that is not built in compliance with the code. A boiler is a noncode boiler if it is not stamped with the ASME code symbol stamp.

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- (31) "Miniature boiler" means a power boiler that does not have any of the following:
- (a) An inside diameter of the shell of more than 16 inches.
 - (b) A working pressure of more than 100 psig.
 - (c) A gross volume of more than 5 cubic feet.
 - (d) More than 20 square feet of heating surface.
- (32) "Listed" means equipment, appliances, or material included in a list published by a nationally recognized testing laboratory, inspection agency, or other organization concerned with product evaluation that maintains periodic inspection of production of listed equipment, appliances, or materials, and whose listing states either that the equipment, appliances, or material meets nationally recognized standards or has been tested and found suitable for use in a specified manner. The authority having jurisdiction shall utilize the system employed by the listing organization to identify a listed product.
- (33) "Miniature locomotive boiler" means a miniature hobby steam locomotive boiler which operates on a narrow gauge track that is less than 24 inches wide and which is for public display or use.
- (34) "NBIC" means national board inspection code.
- (35) "New boiler" means a boiler constructed, installed, placed in operation, or contracted for after July 1, 1966.
- (36) "Nonstandard boiler" means a boiler that does not bear the national board stamping or the stamp of any state or political subdivision which has adopted a standard of construction equivalent to that required by the board of boiler rules.
- (37) "Owner or user" means a person, firm, partnership, or corporation that owns or operates a boiler within this state.
- (38) "Portable boiler" means a boiler which is primarily intended for temporary location and which is, by its construction and usage, obviously portable.
- (39) "Reinstalled boiler" means a boiler which is removed from its original setting and which is reinstalled at the same location or reinstalled at a new location.
- (40) "Rental boiler" means a boiler which is in temporary use for not more than 1 year and which may or may not be installed inside a boiler room, temporary room, or temporary shed or without external covering.
- (41) "Repair" means the work necessary to restore a boiler or its piping to a safe and satisfactory operating condition.
- (42) "Safe point of discharge" means a point of discharge that will protect personnel and property from injury due to discharge.
- (43) "Special inspector" means a boiler inspector who holds a license in the state of Michigan pursuant to 1965 PA 290, MCL 408.751 et seq. and who is regularly employed by an insurance company authorized to insure against a loss from boiler accidents in this state or by any city that is exempt under the act and has an authorized boiler inspection department.
- (44) "Standard boiler" means a boiler that bears the stamp of the national board of boiler and pressure vessel inspectors or of another state or political subdivision which has adopted a standard of construction equivalent to that required by the board of boiler rules of this state.
- (45) "Traction boiler" means a boiler designed for the express purpose of pulling farm equipment or to convert steam power into flywheel energy driving farm apparatus such as threshers, saws, or grinding equipment.
- (46) "Used boiler" means a boiler that is being reinstalled by the same owner.
- (47) "Water heater" means a heater for use in commercial or industrial sizes providing corrosion resistance for supplying potable hot water at pressures not exceeding 160 psi or temperatures not exceeding 210 degrees Fahrenheit. A water heater that does not exceed any of the following is exempt from these rules:
- (a) A heat input of more than 200,000 BTU per hour.
 - (b) A water temperature of more than 210 degrees Fahrenheit.
 - (c) A nominal water-containing capacity of more than 120 gallons.
- History: 1999 MR 12, Eff. Jan. 4, 2000; 2000 MR 1, Eff. Jan. 27, 2000; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4013

Source: 1998-2000 AACS.

R 408.4015

Source: 1998-2000 AACS.

R 408.4017

Source: 1998-2000 AACS.

R 408.4019

Source: 1998-2000 AACS.

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R 408.4021

Source: 1998-2000 AACs.

R 408.4023

Source: 1998-2000 AACs.

R 408.4024 Adoption of national board inspection code (NBIC) by reference.

Rule 24. (1) The owner shall ensure the inspection, repair, and alteration of boilers, piping, and blowdown vessels is in accordance with the national board inspection code, 2004 edition, and 2005 addenda except as modified by these rules. The code and 2005 addenda are adopted by reference in these rules and are available for inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 6546 Mercantile Way, Lansing, Michigan 48911 or from the National Board of Boiler and Pressure Vessel Inspectors, 1055 Crupper Avenue, Columbus, Ohio 43229, at a cost as of the time of adoption of these amendatory rules for a total of \$150.00.

(2) The accreditation program described in the NBIC for repairs and alterations to pressure retaining items is mandatory for repairs to all power boilers and high pressure high temperature water boilers and alterations to any boiler not exempt by these rules. Repair companies in possession of a certificate of authorization issued by the national board of boiler and pressure vessel inspectors to repair and alter pressure retaining items shall have in their employ an individual with an appropriate class repairer license issued by the boiler division of the department. Repair companies not currently in possession of the certificate of authorization or a certificate of authorization issued by ASME shall have 1 year from the date of adoption of this rule to secure the certificate. Companies currently in possession of a valid certificate issued by ASME have until the next certificate review or 1 year, whichever is greater, to secure the certificate of authorization identified above. The board may waive the time requirement if appropriate justification is presented.

(3) Where the text of the NBIC refers to the "certificate holder," the reference shall apply to all licensed boiler repairers, except when the reference is in relation to completion of NBIC forms and NBIC stamping, the reference shall refer to repair companies in possession of a valid certificate of authorization issued by the national board of boiler and pressure vessel inspectors to repair and alter pressure retaining items.

(4) The standard welding procedures referenced in the NBIC are accepted for use in this state, but are not mandatory. A licensed boiler repairer who elects to use 1 or more of the standard welding procedures shall file a list of the standard welding procedure identification numbers with the boiler division of the department before conducting any repairs or alterations requiring welding.

History: 1999 MR 12, Eff. Jan. 4, 2000; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4025 ASME code; adoption by reference.

Rule 25. (1) A boiler shall be constructed as prescribed by these rules and the ASME boiler and pressure vessel code, 2004 edition, and its 2005 addenda. Sections I, II, III, IV, V, VIII, IX, X, XI, of the code, the 2005 addenda and ASME B31.1-2004 Power Piping are adopted by reference in these rules and are available for inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 6546 Mercantile Way, Lansing, Michigan 48911 or from the ASME International, 22 Law Drive, Fairfield, New Jersey 07007, at a cost as of the time of adoption of these amendatory rules of \$10,900.00 and \$265.00 respectively.

(2) The board may accept pressure-retaining items which have been constructed to standards other than ASME standards and which have been accepted by application of the national board of boiler and pressure vessel inspectors' criteria for registration procedure.

(3) The owner shall not recalculate design maximum allowable working pressures based on ASME codes published after 1998 for boilers in-service before December 31, 1998.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1954 ACS 56, Eff. Nov. 14, 1968; 1954 ACS 68, Eff. June 3, 1971; 1954 ACS 73, Eff. Nov. 4, 1972; 1954 ACS 86, Eff. Jan. 16, 1976; 1954 ACS 98, Eff. Jan. 24, 1979; 1979 AC; 1985 MR 2, Eff. Mar. 7, 1985; 1995 MR 4, Eff. Apr. 21, 1995; 1999 MR 12, Eff. Jan. 4, 2000; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4026

Source: 1998-2000 AACs.

R 408.4027 Adoption; ASME code CSD-1.

Rule 27. (1) The owner shall ensure that the assembly, maintenance, operation, and testing of controls and safety devices is in accordance with manufacturer's instructions and ASME code CSD-1, 2004 edition, and its 2005 addenda, except as modified by these rules. The code and the 2005 addenda are adopted by reference in these rules and are available for

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inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 6546 Mercantile Way, Lansing, Michigan 48911 or from the American Society of Mechanical Engineers, 22 Law Drive, Fairfield, New Jersey 07007, at a cost as of the time of adoption of these amendatory rules of \$65.00.

(2) An owner or user of a boiler system shall ensure that the assembly, maintenance and testing of controls and safety devices is conducted by an individual with a valid mechanical contractor license with the appropriate classification pursuant to 1984 PA 192, MCL 338.971 et seq.

(3) An owner or user shall provide the inspector, at the time of certificate inspection, with evidence showing what tests have been completed annually. The evidence shall be a dated and signed service report or checklist, listing each control and safety device tested with the manufacturer's name, model number, set point, and actual operational test point. An example of a report or checklist may be found in CSD-1 2004 edition, appendix C. If an owner does not provide the inspector with the required evidence of annual testing for each year between certificate inspections, then the inspector may issue a certificate of inspection for a term less than that stated in R 408.4057.

(4) The owner, user, or operator of a boiler system shall ensure that the daily, weekly, and monthly operational checks are performed and documented pursuant to the manufacturer's instructions and these rules. CSD-1 2004 nonmandatory appendix D contains a recommended checklist for additional information on periodic checks.

History: 1995 MR 4, Eff. Apr. 21, 1995; 1999 MR 12, Eff. Jan. 4, 2000; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4028 Manufacturer's data reports; filing.

Rule 28. A manufacturer's data report for boilers shall be signed by an authorized inspector and shall be filed by the manufacturer with the chief inspector before installation. A data report that is signed by an authorized inspector and the ASME stamp on the boiler denotes that the boiler has been constructed in accordance with these rules. If a boiler is of special design, blueprints showing details of the proposed construction shall be submitted to the chief inspector and his or her approval shall be secured before construction is started.

History: 1995 MR 4, Eff. Apr. 21, 1995; 2006 MR 13, Eff. 6, 2006.

R 408.4031 Installation and reinstallation of boilers.

Rule 31. The owner shall ensure that the installation of a new boiler or a reinstalled boiler is in accordance with the requirements of these rules and the ASME boiler and pressure vessel code, 2004 edition, which is adopted by reference in R 408.4025.

Exception: The ASME code requirement for the completion of a P4B data report for the installation of mechanically assembled boiler external piping is not required.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1954 ACS 56, Eff. Nov. 14, 1968; 1954 ACS 73, Eff. Nov. 4, 1972; 1954 ACS 86, Eff. Jan. 16, 1976; 1954 ACS 98, Eff. Jan. 24, 1979; 1979 AC; 1985 MR 2, Eff. Mar. 7, 1985; 1995 MR 4, Eff. Apr. 21, 1995; 1999 MR 12, Eff. Jan. 4, 2000; 2001 MR 4, Eff. Mar. 1, 2001; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4032 Non-boiler external piping; power boilers; adoption of standards by reference.

Rule 32. (1) The owner shall ensure that the installation of piping not covered by the ASME boiler and pressure vessel code, section I, 2004 edition, is installed as prescribed by the ASME code for pressure piping, B31.1, 2004 edition and its 2005 addenda adopted by reference in R 408.4025.

(2) The owner of a chemical plant or petroleum refinery shall comply with subrule (1) of this rule or shall ensure the installation is installed as prescribed by the ASME code for chemical plants and petroleum refineries, B31.3, 2002 edition.

(3) A licensee under this rule is not required to possess an ASME code symbol stamp, but shall hold a valid installer's license.

(4) The owner shall ensure that the installation of all of the following piping is in accordance with subrule (1) of this rule:

- (a) Blowoff piping beyond the second valve out to the safe point of discharge.
- (b) Steam piping out to the load.
- (c) Feed-water piping from the pump.
- (d) Condensate piping.

History: 1995 MR 4, Eff. Apr. 21, 1995; 1999 MR 12, Eff. Jan. 4, 2000; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4033 Permits; documentation for installation, reinstallation, alteration, and repair of boilers, boiler external piping, and non-boiler external piping.

Rule 33. (1) All of the following provisions apply to installation permits:

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- (a) A person shall not install, or reinstall, a boiler without holding a proper license and first securing a permit from the boiler division of the department. The licensee applying for the permit shall ensure that work does not proceed until an approved permit has been secured.
- (b) A person shall not install or replace welded pipe without holding a proper license and first securing a permit from the boiler division of the department. The licensee applying for the permit shall ensure that work does not proceed until an approved permit has been secured.
- (c) A person shall not install nonwelded pipe without holding a proper license. A permit is not required.
- (2) All of the following provisions apply to repair and alteration permits or reports:
 - (a) A person shall not alter or repair a boiler without holding a proper license and first securing a permit from the boiler division of the department. The licensee applying for the permit shall ensure that work does not proceed until an approved permit has been secured, except as provided by section 18 of the act.
 - (b) A person shall not repair or replace welded piping without holding a proper license and first securing a permit from the boiler division of the department. The licensee applying for the permit shall ensure that work does not proceed until an approved permit has been secured, except as provided for in section 18 of the act.
 - (c) A person shall not replace nonwelded piping without holding a proper license. A permit is not required.
 - (d) A person shall not perform welded repairs to nonwelded piping without holding a proper license and first securing a permit from the boiler division of the department. The licensee applying for the permit shall ensure that work does not proceed until an approved permit has been secured, except as provided for in section 18 of the act.
 - (e) A licensee who makes welded repairs to boilers or boiler external piping requiring the use of the national board "R" symbol stamp shall furnish the boiler division of the department, with 1 copy of the approved permit application, along with reports as required by the NBIC, upon completion of the work.
 - (f) A public utility or industrial plant that has been granted exemption under section 23 of the act that makes a welded repair to a boiler or boiler external piping, as defined in section I of the ASME code, shall furnish the boiler division of the department with a completed repair report on forms prescribed by the boiler division.
 - (g) A public utility or industrial plant that has been granted an exemption under section 23 of the act that makes a welded repair to non-boiler external piping shall maintain records of the repairs and make the records available for review as required by the board of boiler rules.
 - (h) A permit is required for a change in use of an existing boiler or replacement by mechanical methods, without welding, of sections in sectional boilers; heat exchangers; feed water heater or economizer; and, tube bundles. A licensee replacing boiler components required by these rules to be code symbol stamped and national board registered shall provide the boiler division of the department with documentation supporting compliance.
- (3) Any changes in the scope of work stated on the original permit application shall be submitted to the inspector for review and approval and reported to the boiler division.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1979 ACS 8, Eff.

Dec. 9, 1981; 1995 MR 4, Eff. Apr. 21, 1995; 1999 MR 12, Eff. Jan. 4, 2000; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Nov. 6, 2006.

R 408.4035

Source: 1995 AACS.

R 408.4038

Source: 2002 AACS.

R 408.4039 Permits to alter boiler, piping, or vessel.

Rule 39. (1) The boiler division of the department may issue a permit to alter a boiler, piping, or vessel subject to these rules only to a Michigan-licensed boiler repairer who possesses a valid certificate of authorization from the national board of boiler and pressure vessel inspectors for alterations or the ASME boiler and pressure vessel committee to build the type of boiler, piping, or vessel being altered. Drawings and calculations covering all details of the proposed alteration shall accompany the application for a permit to alter.

(2) The licensed repairer shall perform the alteration in accordance with the NBIC.

(3) The licensed repairer who makes the alteration shall prepare a report on forms prescribed by the boiler division of the department. The licensed repairer shall furnish an original and 2 copies of the report to the boiler division of the department, and upon request, 1 copy of the report to the boiler owner and user. The report shall clearly indicate what changes have been made to the original construction. The report shall show, in the spaces provided, the manufacturer's serial number of the boiler, the national board number, if assigned, and the Michigan serial number assigned.

(4) The licensed repairer who makes the alteration shall prepare and attach a nameplate that complies with the requirements

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of the NBIC.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1954 ACS 73, Eff. Nov. 4, 1972; 1979 AC; 1979 ACS 8, Eff. Dec. 9, 1981; 1995 MR 4, Eff. Apr. 21, 1995; 1999 MR 12, Eff. Jan. 4, 2000; 2006 MR 13, Nov. 6, 2006.

R 408.4043

Source: 1997 AACS.

R 408.4045 Registration of boilers.

Rule 45. (1) Within 6 months from the effective date of these rules, all owners or users of boilers and their installations now in use or installed ready for use in the state shall report to the chief inspector on forms prescribed by the department, giving the location, type, capacity, age, and date of installation.

(2) Before transfer of ownership of a boiler is complete, the current owner shall assure all invoices for inspection certificates and inspections for services rendered under his or her ownership are paid in full. Upon completion of transfer of ownership, the new owner of a boiler shall notify the boiler division of the department of change in ownership of a boiler or change in ownership of a location where a boiler is installed. Upon written notification, a new certificate of inspection shall be issued in the name of the new owner.

(3) A boiler owner or user shall notify the boiler division of the department immediately when his or her boiler insurance has been discontinued.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4047 Exempt boilers.

Rule 47. These rules do not apply to any of the following:

(a) A boiler under federal control.

(b) A swimming pool heater, open car wash heater, and similar types of equipment which do not have intervening valves on the return or discharge piping, which do not have a reduction in pipe size in the return or discharge piping, and which do not generate more than normal circulating pump pressure.

(c) A miniature steam or marine engine used for a hobby.

(d) A boiler used in the power plant of a self-propelled vehicle designed primarily for transportation of persons or property on a highway, except for a vehicle used exclusively on stationary rails or tracks.

(e) A boiler used on a mint farm for mint processing purposes.

(f) A nonvaporizing, organic fluid boiler if the boiler meets all of the following criteria:

(i) The system is vented and does not have valves or restrictions in the pipe between the boiler and the vent.

(ii) The vent pipe is sized so that the thermal expansion of the fluid will not result in an increase in pressure on the system, which is verifiable with engineering data.

(iii) The owner or user provides the boiler division of the department with calculations performed by an engineer, which verify that pressure due to thermal expansion cannot exist in the boiler as installed.

(g) A low pressure steam boiler that has a volume of less than 5 cubic feet and that does not have piped feed connections.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1954 ACS 61, Eff. Feb. 16, 1970; 1954 ACS 68, Eff. June 3, 1971; 1954 ACS 86, Eff. Jan. 16, 1976; 1979 AC; 1999 MR 12, Eff. Jan. 4, 2000; 2006 MR 13, Nov. 6, 2006.

R 408.4049

Source: 1981 AACS.

R 408.4051

Source: 1981 AACS.

R 408.4052

Source: 2002 AACS.

R 408.4053

Source: 1997 AACS.

R 408.4055

Source: 1998-2000 AACS.

R 408.4057 Boiler inspection.

Rule 57. (1) Once a boiler has been inspected by the chief or deputy inspector and the boiler and its installation approved,

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all certificate inspections shall be conducted in accordance with the NBIC and these rules by an inspector who is properly licensed to inspect boilers in this state in accordance with the following provisions:

- (a) A power boiler, process boiler, or high-pressure, high-temperature water boiler shall receive a certificate inspection annually and shall also be externally inspected annually, while under pressure, within 6 months from the date of the internal inspection.
- (b) A low-pressure steam or vapor heating boiler shall receive a certificate inspection biennially.
- (c) Hot water heating and hot water supply boilers shall receive a certificate inspection triennially, with an internal inspection at the discretion of the inspector.
- (d) A nonvaporizing, organic fluid boiler that is not exempt under these rules shall receive an external certificate inspection triennially.
- (e) A miniature hobby locomotive boiler shall receive a certificate inspection annually.
- (f) A grace period of 2 months beyond the periods specified in subdivisions (a) to (e) of this subrule may lapse between certificate inspections, and the board may permit longer periods between certificate inspections.
- (g) Internal inspection of cast iron boilers shall be at the discretion of the inspector.
- (2) The certificate inspection shall be an internal inspection if construction allows, otherwise the certificate inspection shall be as complete an inspection as possible unless specified otherwise under this rule.
- (3) The chief inspector, deputy inspector, or a special inspector provided for in the act shall make the inspections specified in this rule.
- (4) If, at the discretion of the inspector, a hydrostatic test is necessary, the boiler owner or user shall ensure that the test is performed in the presence of the inspector.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1954 ACS 56, Eff. Nov. 14, 1968; 1954 ACS 98, Eff. Jan. 24, 1979; 1979 AC; 1979 ACS 8, Eff. Dec. 9, 1981; 1985 MR 2, Eff. Mar. 7, 1985; 1995 MR 4, Eff. Apr. 21, 1995; 1999 MR 12, Eff. Jan. 4, 2000; 2000 MR 1, Eff. Jan. 27, 2000; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4058 Extension of internal inspection certificate to 24 months.

Rule 58. (1) An internal boiler inspection may be increased from an annual inspection to a 24-month inspection frequency by approval of the board of boiler rules. An employee delegated by the utility or industrial facility shall apply for the extension. The following information shall be addressed by plant orders, procedures, or policies:

- (a) Operator training.
- (b) Boiler maintenance.
- (c) Water chemistry.
- (d) Operating parameters.
- (e) Chemical cleaning schedule.
- (f) Protective devices.
- (g) Boiler external inspection.
- (h) Testing of pressure relief valves in accordance with the NBIC. Repairs shall be conducted by the valve manufacturer or a "VR" stamp holder.

The information may be contained in 1 document or several if 1 document contains references to all other documents addressing the required information.

(2) The plant owner shall establish a review committee. The inspector shall be a member of the committee. The purpose of the committee is to determine the acceptability of a boiler to operate safely for a 24-month period. The committee shall have access to and review all information pertaining to the past operation, maintenance, and repair of the boiler. The review shall be conducted within 30 days after the internal inspection. The committee may decrease the period of time the boiler may operate, but shall not extend the period beyond 24 months. The grace period provided under R 408.4057 does not apply to this rule. The inspector shall indicate the next inspection due date on his or her inspection report to the boiler division of the department.

(3) An external inspection of the boiler shall be conducted while under pressure, within 12 months of the internal inspection.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4059 Notification for inspection.

Rule 59. The owner or user shall prepare each boiler for internal inspection in accordance with the NBIC and these rules and shall prepare for and apply a hydrostatic pressure test, whenever necessary, on the date specified by the chief inspector, deputy inspector, or special inspector.

History: 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4061

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Source: 1997 AACS.

R 408.4063

Source: 1997 AACS.

R 408.4065 Examinations for inspector licenses; place and time.

Rule 65. Examinations for boiler inspector licenses and certificates of competency shall be held at a location selected by the boiler division of the department, 4 times each year, on the first Wednesday and Thursday in March, June, September, and December.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4071

Source: 1995 AACS.

R 408.4073 Examination fee for boiler inspector's license.

Rule 73. A fee prescribed by R 408.4038 shall be charged for each applicant taking the examination for boiler inspector's license and shall accompany the application filed with the department. The fee entitles the applicant to take the examination twice if necessary. An additional fee prescribed by R 408.4038 shall accompany each subsequent application.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1979 ACS 8, Eff. Dec. 9, 1981; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4075

Source: 1995 AACS.

R 408.4077

Source: 2002 AACS.

R 408.4079

Source: 1981 AACS.

R 408.4081

Source: 1995 AACS.

R 408.4087

Source: 2002 AACS.

R 408.4091 Application for boiler installer's license.

Rule 91. (1) An application for a boiler installer's license shall be on a form provided by the boiler division of the department. The applicant shall state the name of the business, firm, partnership, or corporation that the applicant intends to represent in the business of installing boilers and shall provide evidence of his or her past experience in the installation of boilers and evidence of his or her workmanship and engineering skills that would qualify the applicant for examination and licensing.

(2) An applicant for a boiler installer's license shall have not less than 5 years of experience in all phases of boiler installation in the class of license for which the applicant is applying. A credit of 2 years of experience towards the 5 years of experience may be given for 2 years of experience in the design, construction, manufacture, or inspection of boilers.

(3) The boiler division of the department may verify installations required to be reported on the application to establish the applicant's minimum practical installation experience in the applicant's desired license classification.

History: 1954 ACS 49, Eff. May 15, 1968; 1954 ACS 56, Eff. Nov. 14, 1968; 1954 ACS 98, Eff. Jan. 24, 1979; 1979 AC; 1979 ACS 8, Eff. Dec. 9, 1981; 1995 MR 4, Eff. Apr. 21, 1995; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4093

Source: 2002 AACS.

R 408.4095

Source: 1997 AACS.

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R 408.4096 Filing of welding procedures.

Rule 96. (1) If welding is employed in the installation or reinstallation of a boiler or piping, then the licensed installer shall file welding procedure specifications and the procedure qualification reports qualified in accordance with the requirements of ASME code section IX, welding and brazing qualifications, with the boiler division of the department, before conducting any installation requiring welding.

(2) A licensed installer who utilizes welding in the installation or reinstallation of boilers or piping shall have available, for the inspector's review, welding procedure specifications and welder performance qualification records to be used or that were used in the installation or reinstallation.

History: 1999 MR 12, Eff. Jan. 4, 2000; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4099

Source: 2002 AACS.

R 408.4101

Source: 2002 AACS.

R 408.4103 Examination for boiler installer's license.

Rule 103. (1) An applicant for a boiler installer's license shall be required to take an examination approved by the board of boiler rules. The examination will be held quarterly at a location determined by the boiler division of the department. A score of 70% is required to pass the examination. A passing score on the examination is valid for 3 years. If a license is not applied for in that time, then an applicant shall file a new application for examination.

(2) A licensee wishing to upgrade his or her license to a higher classification shall maintain his or her current license in good standing for a minimum of 1 year and take the examination prescribed in subrule (1) of this rule. A licensee may only upgrade a license 1 classification at a time.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4105

Source: 1981 AACS.

R 408.4107 Annual renewal of boiler installer's license; change of business affiliation.

Rule 107. (1) A boiler installer's license shall be renewed annually upon payment of a fee as prescribed by R 408.4038.

(2) An installer's license shall expire on December 31 of each year and shall be renewed. An application for renewal shall be submitted to the boiler division of the department between September 30 and December 31. A license that is not renewed by January 1 shall be voided and may be reinstated only upon application for reinstatement and payment of both the renewal fee and a reinstatement fee of \$75.00. A person requesting renewal of a license within 3 years after the license is voided pursuant to this subrule is not subject to reexamination for the license, but shall pay both the reinstatement fee and the annual license renewal fee for the current renewal year. A person who fails to renew a license for 3 consecutive years shall meet the requirements of, and take an examination for, the class of license sought.

(3) A licensee who changes business affiliation shall notify the chief inspector, on a form provided by the boiler division of the department, of the name and address of the new business affiliate under which the licensee intends to use his or her license. A fee of \$20.00 shall accompany the notification form.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1979 ACS 8, Eff. Dec. 9, 1981; 1995 MR 4, Eff. Apr. 21, 1995; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4109

Source: 2002 AACS.

R 408.4110

Source: 1997 AACS.

R 408.4111

Source: 2002 AACS.

R 408.4113

Source: 1997 AACS.

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R 408.4114 Inspection of components and systems in a nuclear power plant.

Rule 114. (1) Preservice (baseline) inspection, in-service inspection, repair, replacement, modification, alteration, examination, testing, records, and reports of individual nuclear components, parts, appurtenances, piping, supports, nuclear systems, applicable associated auxiliary systems, and complete nuclear power plants that are in compliance with all of the requirements of the construction code, at the point in time the requirements have been completed, irrespective of the physical location, shall be as prescribed in section XI, rules for in-service inspection of nuclear power plant components, of the ASME boiler and pressure vessel code. A copy of the current edition of section XI is available for inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 6546 Mercantile Way, Lansing, Michigan 48911 or from the ASME International, 22 Law Drive, Fairfield, New Jersey 07007, at a cost as of the time of adoption of these amendatory rules of \$495.00.

(2) The owner of a nuclear power plant shall file inspection plans and schedules, pump and valve testing programs, and requests for relief from section XI of the ASME code requirements with the boiler division of the department.

(3) The nuclear power plant shall maintain compliance with requirements, as prescribed by the Nuclear Regulatory Commission.

History: 1954 ACS 68, Eff. June 3, 1971; 1954 ACS 86, Eff. Jan. 16, 1976; 1954 ACS 98, Eff. Jan. 24, 1979; 1979 AC; 1985 MR 2, Eff. Mar. 7, 1985; 1995 MR 4, Eff. Apr. 21, 1995; 1999 MR 12, Eff. Jan. 4, 2000; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4115

Source: 2002 AACS.

R 408.4116

Source: 2002 AACS.

R 408.4119 Application for boiler repairer's licenses.

Rule 119. (1) An application for a boiler repairer's license shall be on a form provided by the boiler division of the department. The applicant shall state the name of the business, firm, partnership, or corporation that the applicant intends to represent in the business of repairing boilers and shall give evidence of his or her past experience in the repair of boilers and evidence of his or her workmanship and engineering skills that would qualify the applicant for examination and licensing.

(2) An applicant for a boiler repairer's license shall have at least 5 years of experience in all phases of boiler repair in the class of license for which the applicant is applying. A credit of 3 years of experience towards the 5 years of experience will be given for 3 years of experience in the design, construction, manufacture, or inspection of boilers.

(3) The boiler division of the department may verify repairs required to be reported on the application to establish the applicant's minimum practical repair experience in the applicant's desired license classification. Copies of the boiler division inspection reports of the repairs shall be made part of the application.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1954 ACS 61, Eff. Feb. 16, 1970; 1979 AC; 1979 ACS 8, Eff. Dec. 9, 1981; 1995 MR 4, Eff. Apr. 21, 1995; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4120 Filing of welding procedures.

Rule 120. (1) If welding is employed in the repair, replacement, or alteration of a boiler or piping, then the licensed repairer shall file welding procedure specifications and procedure qualification reports qualified in accordance with ASME code section IX, welding and brazing qualifications, with the boiler division of the department, before conducting any welding.

(2) A licensed repairer who utilizes welding in the repair, replacement, or alteration of boilers or piping shall have available, for the inspector's review, welding procedure specifications and welder performance qualification records at the work site or other mutually agreed upon location.

History: 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4121 Examination for boiler repairer's license; establishment; administration; nuclear repairer license applicant; certificate of authorization; examination.

Rule 121. (1) The examination for a boiler repairer's license shall be approved by the board of boiler rules. The examination will be held quarterly at a location determined by the boiler division of the department.

(2) An applicant wishing to upgrade his or her license to a higher classification shall take the examination prescribed in subrule (1) of this rule.

(3) The director, upon the request of a company in possession of a valid ASME "N" type certificate of authorization or the national board of boiler and pressure vessel inspectors "NR" certificate of authorization, shall issue, to an individual of the company, a license as a nuclear repairer if the individual, before receiving his or her license, satisfactorily passes the

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examination prescribed in subrule (1) of this rule.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1954 ACS 61, Eff. Feb. 16, 1970; 1979 AC; 1985 MR 2, Eff. Mar. 7, 1985; 1995 MR 4, Eff. Apr. 21, 1995; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4122

Source: 2002 AACS.

R 408.4123

Source: 1981 AACS.

R 408.4124

Source: 2002 AACS.

R 408.4125 Annual renewal of boiler repairer's license; change of business affiliation.

Rule 125. (1) A boiler repairer's license shall be renewed annually upon payment of a fee as prescribed by R 408.4038.

(2) A repairer's license shall expire on December 31 of each year and shall be renewed. An application for renewal shall be submitted to the boiler division of the department between September 30 and December 31. A license that is not renewed by January 1 shall be voided and may be reinstated only upon application for reinstatement and payment of both the renewal fee and a reinstatement fee of \$75.00. A person requesting renewal of a license within 3 years after the license is voided pursuant to this subrule is not subject to reexamination for the license, but shall pay both the reinstatement fee and the annual license renewal fee for the current renewal year. A person who fails to renew a license for 3 consecutive years shall meet the requirements of, and take an examination for, the class of license sought.

(3) A licensee who changes business affiliation shall notify the chief inspector, on a form provided by the boiler division of the department, of the name and address of the new business affiliate under which the licensee intends to use his or her license. A fee of \$20.00 shall accompany the notification form.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1979 ACS 8, Eff. Dec. 9, 1981; 1995 MR 4, Eff. Apr. 21, 1995; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4127 Boiler repairers; classes of licenses.

Rule 127. (1) A class I license allows a licensee to repair a boiler by means other than welding, riveting, or other fabrication process.

(2) A class II license allows a licensee to repair a low-pressure boiler, a hot water supply boiler, and a fire tube boiler of any pressure and to perform work covered by a class I license.

(3) A class III license allows a licensee to repair a water tube boiler designed for a maximum allowable working pressure of not more than 700 psi and a boiler covered by a class II license.

(4) A class IV license allows a licensee to repair or field-erect a boiler of any pressure, except for a boiler that has a nuclear heat source. A licensee who field-erects boilers shall be in the employ of a company in possession of the appropriate ASME code symbol stamps for the type of boiler being erected.

(5) A class V license allows a licensee to erect and repair a boiler that has a nuclear heat source or its parts, appurtenances, or system components. Before a license is issued, an applicant for a class V license shall give evidence of familiarity with and knowledge of all federal rules and regulations regarding the construction of a boiler that has a nuclear heat source and shall be employed by a company in possession of a valid ASME N-type symbol stamp applicable to the portions of any nuclear boiler system he or she proposes to repair.

(6) A class P license qualifies a person to install or repair non-boiler external piping as defined by ASME code B31.1.

(7) A licensed boiler repairer shall secure a permit for a change in use of an existing boiler or replacement by mechanical methods, without welding, of sections in sectional boilers, heat exchangers, feed water heater or economizer, and tube bundles in accordance with R 408.4033.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1954 ACS 61, Eff. Feb. 16, 1970; 1954 ACS 73, Eff. Nov. 4, 1972; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; 1999 MR 12, Eff. Jan. 4, 2000; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4129

Source: 2002 AACS.

R 408.4133 Reports of inspection to be filed.

Rule 133. (1) Each company employing licensed boiler inspectors, within 30 days following each boiler certificate inspection made by the inspectors, shall file a report of the inspection with the chief inspector upon appropriate forms

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provided by the boiler division. Reports of external inspections shall not be required except when such inspections disclose that the boiler is in dangerous condition. Manufacturers or national board numbers shall be reported on all reports of inspection.

(2) The inspector shall leave a signed and dated inspection sticker or inspection report at the inspection location.

(3) The inspector shall record his or her national board of boiler and pressure vessel commission number on the inspection report.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4139 Rental boilers.

Rule 139. A rental boiler shall be inspected before it is rented and the boiler shall be approved for temporary installation. An inspection certificate for an approved rental boiler is valid for 12 months. A licensed boiler installer shall secure an installation permit in accordance with R 408.4033 each time a rental boiler is reinstalled. The permit application for an installed rental boiler shall be posted at the rental boiler.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4143

Source: 1981 AACS.

R 408.4149

Source: 2002 AACS.

R 408.4153

Source: 2002 AACS.

R 408.4159

Source: 1997 AACS.

R 408.4163 Notification in case of accident that renders boiler inoperative.

Rule 163. (1) If an accident occurs that renders a boiler inoperative, then the owner or user shall immediately notify the chief inspector. For a serious accident, notice shall be given immediately by the quickest method available, and neither the boiler nor any of its parts shall be removed or disturbed before an inspection has been made by the chief inspector, deputy inspector, or special inspector, unless the removal is to save human life. A condition or failure which results in bodily injury or physical damage to equipment or property other than the boiler or which creates a unique or unusual explosion hazard shall be reported as a serious accident.

(2) A detailed accident report shall be submitted by the owner's or user's insurance company boiler inspector on an accident report form furnished by the boiler division of the department. If a boiler is not insured, a state deputy boiler inspector shall submit the required report.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1954 ACS 56, Eff. Nov. 14, 1968; 1954 ACS 86, Eff. Jan. 16, 1976; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4169

Source: 1995 AACS.

R 408.4172

Source: 1995 AACS.

R 408.4173

Source: 2002 AACS.

R 408.4174

Source: 1997 AACS.

R 408.4175

Source: 2002 AACS.

R 408.4177 Reinstallation of used or secondhand boilers; fees.

Rule 177. Reinstallation of a used or secondhand boiler shall only be performed by a licensed boiler installer. A permit fee

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prescribed by R 408.4038 shall be paid directly to the boiler division of the department and shall accompany the permit to reinstall a used or secondhand boiler.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1979 ACS 8, Eff. Dec. 9, 1981; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4179

Source: 2002 AACS.

R 408.4181

Source: 1997 AACS.

R 408.4182 Steam kettles.

Rule 182. (1) A fired or electrically heated steam kettle, irrespective of size, that has piped feed connections shall be in compliance with these rules.

(2) A fired or electrically heated kettle, irrespective of size or feed piping connections, shall be in compliance with the requirements of these rules. The owner or user shall report the installation to the chief inspector before the unit is operated. The chief inspector shall assign a deputy inspector to visit the installation location to inspect the kettle to determine its safety for operation. A kettle that is operated at or below 15 psi shall be inspected biennially. A kettle that is operated at more than 15 psi shall be inspected annually.

History: 1954 ACS 56, Eff. Nov. 14, 1968; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4183

Source: 1997 AACS.

R 408.4184

Source: 1997 AACS.

R 408.4185

Source: 1995 AACS.

R 408.4186

Source: 1995 AACS.

R 408.4187

Source: 2002 AACS.

R 408.4189

Source: 2002 AACS.

R 408.4191

Source: 1997 AACS.

R 408.4193

Source: 2002 AACS.

R 408.4195

Source: 1998-2000 AACS.

R 408.4197 Clearance between boilers and other objects.

Rule 197. (1) A licensee performing an installation shall assure that a minimum clearance of 24 inches is provided between a boiler, its controls, firing equipment, and appurtenances and the building walls and partitions or other boilers or machinery. The licensee shall assure that clearances are in accordance with the manufacturer's instructions where required clearances are greater than the minimum required by this rule. The boiler owner shall assure that the clearances are maintained for the life of the boiler and shall not be infringed upon by items in storage.

(2) A licensee may request a deviation from the requirements of this rule by submitting drawings to the chief inspector for review and approval before installation of the boiler. The licensee shall be notified by the chief inspector of the approval or denial of the request.

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History: 1954 ACS 49, Eff. Feb. 14, 1967; 1954 ACS 61, Eff. Feb. 16, 1970; 1979 AC; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

PART 2. EXISTING INSTALLATIONS
STEAM BOILERS

R 408.4214
Source: 1995 AACS.

R 408.4270
Source: 1985 AACS.

R 408.4275
Source: 1997 AACS.

PART 3. INSPECTION AND TESTING FOR NEW CONSTRUCTION;
INSTALLATION AND ALTERATION OF BOILERS AND PIPING

R 408.4301
Source: 2002 AACS.

R 408.4302 Boiler installation.

Rule 302. (1) A boiler shall be installed by a licensed boiler installer in accordance with the requirements of the applicable ASME code referenced in R 408.4031 and as may be required by these rules.

(2) A boiler installer shall file welding procedure specifications and the procedure qualification reports qualified in accordance with the requirements of the ASME code, section IX, welding and brazing qualifications, with the boiler division of the department, before performing any installations requiring welding.

(3) A boiler installer utilizing welding during installation shall have welding procedure specifications, welder performance qualifications, and a quality control manual or procedures to be used or which were used in the conduct of the installation available for the inspector's review.

History: 1954 ACS 81, Eff. Nov. 7, 1974; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4303 Rescinded.
History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4304 Rescinded.
History: 1995 MR 4, Eff. Apr. 21, 1995; 2002 MR 23, Eff. Jan. 1, 2003; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4306
Source: 1997 AACS.

R 408.4309
Source: 1997 AACS.

R 408.4312
Source: 1997 AACS.

R 408.4315
Source: 1997 AACS.

R 408.4318
Source: 1997 AACS.

R 408.4321
Source: 1997 AACS.

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R 408.4324
Source: 1997 AACS.

R 408.4327
Source: 1997 AACS.

R 408.4330
Source: 1997 AACS.

R 408.4333
Source: 1997 AACS.

R 408.4336
Source: 1997 AACS.

R 408.4339
Source: 1997 AACS.

R 408.4342
Source: 1997 AACS.

R 408.4345
Source: 1997 AACS.

R 408.4348
Source: 1997 AACS.

R 408.4351
Source: 1997 AACS.

R 408.4354
Source: 1997 AACS.

R 408.4357
Source: 1997 AACS.

R 408.4360
Source: 1997 AACS.

R 408.4363
Source: 1997 AACS.

R 408.4366
Source: 1997 AACS.

R 408.4369
Source: 1997 AACS.

R 408.4372
Source: 1997 AACS.

R 408.4375
Source: 1997 AACS.

R 408.4378
Source: 1997 AACS.

R 408.4381
Source: 1997 AACS.

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R 408.4384
Source: 1997 AACS.

R 408.4387
Source: 1997 AACS.

R 408.4390
Source: 1997 AACS.

R 408.4393
Source: 1997 AACS.

R 408.4396
Source: 1997 AACS.

PART 4. INSPECTION OF FUSION WELDING

R 408.4401
Source: 1997 AACS.

R 408.4402
Source: 1997 AACS.

R 408.4405
Source: 1997 AACS.

R 408.4407
Source: 1997 AACS.

R 408.4409
Source: 1997 AACS.

R 408.4410
Source: 1997 AACS.

R 408.4412
Source: 1997 AACS.

R 408.4414
Source: 1997 AACS.

R 408.4416
Source: 1997 AACS.

R 408.4418
Source: 1997 AACS.

R 408.4420
Source: 1997 AACS.

R 408.4422
Source: 1997 AACS.

R 408.4424
Source: 1997 AACS.

R 408.4426
Source: 1997 AACS.

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R 408.4428
Source: 1997 AACS.

R 408.4430
Source: 1997 AACS.

R 408.4432
Source: 1997 AACS.

R 408.4434
Source: 1997 AACS.

R 408.4436
Source: 1997 AACS.

R 408.4438
Source: 1997 AACS.

R 408.4440
Source: 1997 AACS.

R 408.4442
Source: 1997 AACS.

R 408.4444
Source: 1997 AACS.

R 408.4446
Source: 1997 AACS.

R 408.4448
Source: 1997 AACS.

R 408.4450
Source: 1997 AACS.

R 408.4452
Source: 1997 AACS.

R 408.4454
Source: 1997 AACS.

R 408.4456
Source: 1997 AACS.

R 408.4458
Source: 1997 AACS.

R 408.4460
Source: 1997 AACS.

R 408.4462
Source: 1997 AACS.

R 408.4466
Source: 1997 AACS.

R 408.4468

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Source: 1997 AACS.

R 408.4470

Source: 1997 AACS.

R 408.4472

Source: 1997 AACS.

R 408.4474

Source: 1997 AACS.

R 408.4476

Source: 1997 AACS.

R 408.4478

Source: 1997 AACS.

R 408.4480

Source: 1997 AACS.

R 408.4482

Source: 1997 AACS.

R 408.4484

Source: 1997 AACS.

R 408.4486

Source: 1997 AACS.

R 408.4488

Source: 1997 AACS.

R 408.4489

Source: 1997 AACS.

R 408.4490

Source: 1997 AACS.

R 408.4491

Source: 1997 AACS.

R 408.4492

Source: 1997 AACS.

R 408.4493

Source: 1997 AACS.

R 408.4494

Source: 1997 AACS.

R 408.4495

Source: 1997 AACS.

R 408.4496

Source: 1997 AACS.

R 408.4497

Source: 1997 AACS.

R 408.4498
Source: 1997 AACS.

R 408.4499
Source: 1997 AACS.

PART 5. INSERVICE INSPECTION OF BOILERS

R 408.4501
Source: 2002 AACS.

R 408.4502
Source: 2001 AACS.

R 408.4503 Owner or user to prepare boiler for inspection.

Rule 503. All boilers and blowoff vessels, except for a boiler which is exempted by these rules, shall be prepared for inspection in accordance with the NBIC and these rules by the owner or user when notified by the chief inspector, deputy inspector, or special inspector. The owner or user shall ensure that all examinations and tests required by the inspector are performed.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4505
Source: 1998-2000 AACS.

R 408.4507 Special hydrostatic test.

Rule 507. (1) At the interval specified by this rule, the owner shall ensure that a special hydrostatic test is performed. The owner shall ensure that the test pressure is not less than 80% of the maximum allowable working pressure and is not more than 1 ½ times the maximum allowable working pressure. The test pressure shall be acceptable to the inspector. The owner shall ensure that the water temperature used to apply the hydrostatic test is not less than 70 degrees Fahrenheit and that the maximum metal temperature is not more than 120 degrees Fahrenheit. Hold time for the examination by the inspector shall be the time necessary for the inspector to conduct the examination, but not less than 10 minutes. The inspector may require the owner to expose all longitudinal seams, girth seams, boiler supports, and attachments for inspection. All of the following are required for testing:

- (a) The owner shall ensure that a test of a riveted boiler is performed at 30 years and every 4 years thereafter. An inspector may require removal of rivets to ascertain their condition.
- (b) The owner shall ensure that a test of a lap seam boiler which is less than 36 inches in diameter and which operates at 100 psig or less is performed at 20 years and every 4 years thereafter. A lap seam boiler which is more than 36 inches in diameter or which operates at more than 100 psig shall not operate in this state.
- (c) The owner shall ensure that a test is performed on a welded boiler at 30 years and every 8 years thereafter for boilers on a 1 or 2-year inspection frequency and every 9 years for boilers on a 3-year inspection frequency.
- (d) The owner shall ensure that a leak test is performed on a mechanically assembled boiler at 30 years and every 8 years thereafter. The hydrostatic pressure shall not exceed the safety/safety relief valve setting. The inspector may require an internal inspection.
- (e) The owner may request a waiver of the special hydrostatic test required under this rule to the chief inspector if the boiler stated in the request has been granted an extension of the internal inspection frequency under R 408.4058. If a waiver is granted, the review committee established under R 408.4058 shall evaluate the condition of the boiler during each review to determine if a hydrostatic test is necessary.

(2) The inspector may require a nondestructive examination for seams or weldments that are inaccessible.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1954 ACS 56, Eff. Nov. 14, 1968; 1954 ACS 81, Eff. Nov. 7, 1974; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; 1999 MR 12, Eff. Jan. 4, 2000; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4510 Traction boilers.

Rule 510. (1) A traction boiler is a boiler designed for the express purpose of pulling farm equipment or to convert steam power into flywheel energy driving farm apparatus, such as thrashers, saws, or grinding equipment. Such boilers shall be subject to the following provisions:

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- (a) They shall be tested hydrostatically every 3 years to a hydrostatic pressure of 1 ½ times working pressure, held for sufficient time to permit visual observation of all seams, joints, supports, and attachments.
 - (b) All seams, attachments, supports, and joints shall be exposed for each such annual inspection.
 - (2) Traction boilers used for display or hobby purposes shall not be operated for any other purpose but that for which they were originally constructed.
 - (3) Lap seam boilers shall not be operated in excess of 100 psi.
 - (4) Any repairs by welding or riveting to traction boilers shall be made by licensed repair shops only after an approved permit has been obtained and subject to the approval of the inspector before and after repair is made.
- History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4511 Nonvaporizing organic fluid boilers.

- Rule 511. (1) A nonvaporizing organic fluid boiler is a boiler designed to heat, but not vaporize, a fluid in a closed system.
- (2) The owner shall ensure that a nonvaporizing organic fluid boiler is constructed in accordance with the ASME boiler and pressure vessel code.
 - (3) The owner shall ensure that stop valves are located at an accessible point in the supply and return pipe connections as near the boiler as is practicable.
 - (4) The owner shall ensure that a nonvaporizing organic fluid boiler has the following minimum equipment:
 - (a) One operating temperature control and 1 high limit temperature control.
 - (b) A relief valve of sufficient capacity to relieve the excess thermal fluid as a result of thermal expansion verified by engineering calculations provided by the owner or user.
 - (c) A thermometer graduated to not less than 133% of the expected operating temperature.
 - (d) A pressure gauge graduated to not less than 150% of the expected operating pressure.
 - (e) A low level or flow sensing device suitable for operating conditions.
 - (5) The owner shall ensure that a fuel train meets the requirements of ASME code CSD-1.
- History: 1999 MR 12, Eff. Jan. 4, 2000; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4512 Miniature hobby locomotive boilers.

- Rule 512. (1) A miniature hobby locomotive boiler is designed to be operated on a narrow gauge track of less than 24 inches.
- (2) At the initial inspection of a miniature hobby locomotive boiler, the owner shall provide the chief boiler inspector with design specifications and calculations for review and acceptance. If a boiler is approved for use, then the boiler division of the department shall issue an identifying state number and a deputy boiler inspector shall attach it to the boiler.
 - (3) The owner shall ensure that a miniature hobby locomotive boiler has the following minimum equipment:
 - (a) A pressure gauge graduated to approximately 1 ½ times the operating pressure, but not more than 4 times the operating pressure.
 - (b) A means to extinguish the fire in the firebox if of a low water condition.
 - (c) Two means of feeding water to the boiler, 1 of which shall be operable while the locomotive is stationary.
 - (d) A water level gauge glass located so that the top of the bottom nut of the gauge glass is approximately 10% of the distance between the crown sheet and the shell, but not less than ½ inch above the crown sheet.
 - (e) Two safety valves set at not more than 10% above the operating pressure for boilers fabricated after the effective date of the rules. The capacity of the safety valves shall be equal to or greater than the calculated steam generating capacity of the boiler.
 - (4) The owner shall determine the maximum allowable working pressure of a miniature hobby locomotive boiler by calculation. In place of acceptable calculations, the owner shall subject the boiler to a hydrostatic pressure test of 1 ½ times the owner specified operating pressure.
 - (5) Triennially, during the certificate inspection, the owner shall hydrostatically test the boiler to not more than 1 ½ times the operating pressure.
 - (6) The boiler division of the department shall develop procedures, policies, and check lists necessary to accomplish the inspections and tests required by these rules.
 - (7) Repairs to miniature hobby locomotive boilers are exempt from the licensing and permitting requirements of the act. Repair welding shall be made in accordance with the requirements of ASME code section IX. Welding procedures and performance qualification shall be filed with the boiler division of the department for review.
- History: 2000 MR 1, Eff. Jan. 27, 2000; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4513

Source: 1998-2000 AACS.

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R 408.4515

Source: 1998-2000 AACS.

R 408.4517

Source: 1998-2000 AACS.

R 408.4518 Rescinded.

History: 1999 MR 12, Eff. Jan. 4, 2000; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4522

Source: 1995 AACS.

R 408.4524

Source: 1998-2000 AACS.

R 408.4526

Source: 1998-2000 AACS.

R 408.4529

Source: 1998-2000 AACS.

R 408.4531

Source: 1998-2000 AACS.

R 408.4534

Source: 1998-2000 AACS.

R 408.4536

Source: 1998-2000 AACS.

R 408.4538

Source: 1998-2000 AACS.

R 408.4540

Source: 1997 AACS.

R 408.4542

Source: 1997 AACS.

R 408.4545

Source: 1998-2000 AACS.

R 408.4547

Source: 1998-2000 AACS.

R 408.4550

Source: 1998-2000 AACS.

R 408.4552

Source: 1997 AACS.

R 408.4554

Source: 1998-2000 AACS.

R 408.4556

Source: 1997 AACS.

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R 408.4559

Source: 1998-2000 AACS.

R 408.4561

Source: 1998-2000 AACS.

R 408.4566 Inspection and testing of safety valves and safety relief valves.

Rule 566. Inspection and testing of safety valves and safety relief valves shall be conducted in accordance with the NBIC. The manual lift test addressed in the NBIC at RB-8400 may be used instead of the pressure test required by RB-8410.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; 1999 MR 12, Eff. Jan. 4, 2000; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4569

Source: 1998-2000 AACS.

R 408.4570

Source: 1995 AACS.

R 408.4572

Source: 1998-2000 AACS.

R 408.4578

Source: 1998-2000 AACS.

R 408.4580

Source: 1998-2000 AACS.

R 408.4583

Source: 1998-2000 AACS.

R 408.4586

Source: 1998-2000 AACS.

R 408.4590

Source: 1998-2000 AACS.

PART 6. REPAIR OF BOILERS
SCOPE OF RULES FOR REPAIR BY RIVETING

R 408.4601 Repair to riveted boilers.

Rule 601. Repairs to riveted boilers by riveting require the prior approval of the boiler division of the department. The repairs shall be conducted in accordance with the NBIC.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4602 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4603 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4604 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4605 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

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R 408.4606 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4607 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4608 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4609 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4610 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4611 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4612 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4613 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4614 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4615 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4616 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4617 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4618 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4619 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4620 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4622 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4623 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4624 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4625 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1979 ACS 8, Eff. Dec. 9, 1981; 1995 MR 4, Eff. Apr. 21, 1995;

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rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4626 Repairs by welding.

Rule 626. Repairs to boilers and piping shall be conducted in accordance with the NBIC.

History: 1995 MR 4, Eff. Apr. 21, 1995; 1999 MR 12, Eff. Jan 4, 2000; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4627 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; 1999 MR 12, Eff. Jan. 4, 2000; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4628 Rescinded.

History: 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4627

Source: 1998-2000 AACS.

R 408.4628

Source: 1995 AACS.

R 408.4631 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; 1999 MR 12, Eff. Jan. 4, 2000; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4633

Source: 1998-2000 AACS.

R 408.4635

Source: 1997 AACS.

R 408.4637 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1954 ACS 61, Eff. Feb. 16, 1970; 1979 AC; 1979 ACS 8, Eff. Dec. 9, 1981; 1995 MR 4, Eff. Apr. 21, 1995; 2002 MR 23, Eff. Jan. 1, 2003; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4639

Source: 1997 AACS.

R 408.4641

Source: 1997 AACS.

R 408.4643

Source: 1998-2000 AACS.

R 408.4645

Source: 1997 AACS.

R 408.4647

Source: 1998-2000 AACS.

R 408.4649

Source: 1998-2000 AACS.

R 408.4650

Source: 1998-2000 AACS.

R 408.4651

Source: 1998-2000 AACS.

R 408.4653

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Source: 1997 AACS.

R 408.4655

Source: 1997 AACS.

R 408.4657

Source: 1997 AACS.

R 408.4659

Source: 1998-2000 AACS.

R 408.4660 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1954 ACS 61, Eff. Feb. 16, 1970; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4661

Source: 1998-2000 AACS.

R 408.4662

Source: 1997 AACS.

R 408.4664

Source: 1997 AACS.

R 408.4666

Source: 1997 AACS.

R 408.4667 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4668

Source: 1998-2000 AACS.

R 408.4670

Source: 1998-2000 AACS.

R 408.4671

Source: 1998-2000 AACS.

R 408.4672

Source: 1998-2000 AACS.

R 408.4674

Source: 1997 AACS.

R 408.4675

Source: 1998-2000 AACS.

R 408.4676

Source: 1998-2000 AACS.

R 408.4677

Source: 1997 AACS.

R 408.4678

Source: 1997 AACS.

R 408.4679

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Source: 1997 AACS.

R 408.4680

Source: 1998-2000 AACS.

R 408.4682

Source: 1998-2000 AACS.

R 408.4683

Source: 1998-2000 AACS.

R 408.4684

Source: 2001 AACS.

R 408.4686

Source: 2001 AACS.

R 408.4687

Source: 2001 AACS.

R 408.4688

Source: 2001 AACS.

R 408.4689 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded MR 13, Eff. Nov. 6, 2006.

R 408.4690

Source: 2001 AACS.

R 408.4691

Source: 2001 AACS.

R 408.4692

Source: 1997 AACS.

R 408.4693

Source: 1998-2000 AACS.

R 408.4694

Source: 1998-2000 AACS.

R 408.4695

Source: 1998-2000 AACS.

R 408.4696

Source: 1997 AACS.

R 408.4697

Source: 1998-2000 AACS.

PART 7. BOILER BLOWOFF SYSTEMS

R 408.4701 Design and construction of blowdown vessel reports.

Rule 701. (1) The owner shall ensure that blowdown vessels for use in the state of Michigan are designed and constructed as prescribed by these rules and the ASME boiler and pressure vessel code, section VIII, division 1, entitled "Unfired Pressure Vessels," 2004 edition, and its 2005 addenda which are adopted by reference in these rules and are available for inspection at the Michigan Department of Labor & Economic Growth, 6546 Mercantile Way, Lansing, Michigan 48911 or from the ASME International, 22 Law Drive, Fairfield, New Jersey 07007, at a cost as of the time of adoption of these amendatory

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rules of \$495.00. National board of boiler and pressure vessel inspector document NB-27, 2004 edition, may be used as a guide for the design of blowdown tanks.

(2) The owner shall ensure that a blowdown vessel has a minimum allowable working pressure of 50 psig and that the installation complies with these rules and the vessel manufacturer's instructions.

(a) The blowdown vessel, its fittings, and connections shall be sized so that the internal pressure does not rise more than 5 psig above ambient pressure during the blowdown.

(b) The blowdown vessel shall be provided with adequate openings to facilitate internal cleaning and inspection. An internal inspection of the blowdown vessel shall be conducted during the certificate inspection of the boiler.

(c) The blowdown vessel shall be provided with the following fittings and connection openings in addition to those provided by the manufacturer for the proper installation and operation of the vessel:

(i) A vent connection.

(ii) A drain connection. A drain connection is not required on a separator.

(iii) A thermometer that has a maximum scale reading of 300 degrees Fahrenheit and that is located in the water outlet from the blowdown vessel.

(iv) A pressure gauge that is graduated from 0 to 30 psig and that is attached to the top of the steam space of the blowdown vessel.

(d) The blowdown vessel shall be installed in a location that prevents it and its connected piping from freezing and shall be installed in a manner that permits both internal and external inspection.

(3) A manufacturer shall provide the boiler division of the department, with the manufacturer's data reports. A data report that is signed by an authorized inspector, together with the ASME code symbol stamp on the vessel, is the record denoting that the blowdown vessel has been constructed in accordance with the ASME code.

(4) The manufacturer shall register all blowdown vessels for use in the state of Michigan with the national board of boiler and pressure vessel inspector.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1954 ACS 56, Eff. Nov. 14, 1968; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; 1999 MR 12, Eff. Jan. 4, 2000; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4704 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4707 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; rescinded 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4711 Safe discharge from blowdown system.

Rule 711. A safe point of discharge from a blowdown system shall protect personnel and property from the injurious effects of the discharge and shall not exceed 140 degrees Fahrenheit at the outlet of the blowdown vessel. All safe points of discharge shall be in compliance with all federal, state, and local regulations governing discharges.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; 2002 MR 23, Eff. Jan. 1, 2003; 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4715

Source: 1997 AACS.

R 408.4719

Source: 1997 AACS.

R 408.4723

Source: 1997 AACS.

R 408.4727 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4731 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded 2006 MR 13, Eff. Nov. 6, 2006.

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R 408.4735 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; rescinded 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4739 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; 2002 MR 23, Eff. Jan. 1, 2003; rescinded 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4743 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; rescinded 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4747 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4750 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; 2002 MR 23, Eff. Jan. 1, 2003; rescinded 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4756

Source: 1997 AACS.

R 408.4762

Source: 1997 AACS.

R 408.4768

Source: 1997 AACS.

R 408.4774

Source: 1997 AACS.

R 408.4780

Source: 1997 AACS.

R 408.4786

Source: 1997 AACS.

R 408.4792

Source: 1997 AACS.

R 408.4798

Source: 1997 AACS.

PART 8. CONTROLS

R 408.4801 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded 2006 MR 13, Eff. Nov. 6, 2006.

FUEL CUTOFFS AND FEEDWATER REGULATORS

R 408.4851 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; rescinded 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4853 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; 1995 MR 4, Eff. Apr. 21, 1995; rescinded 2006 MR 13, Eff. Nov. 6, 2006.

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R 408.4856 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; rescinded 2006 MR 13, Eff. Nov. 6, 2006.

R 408.4857

Source: 1998-2000 AACS.

R 408.4859

Source: 1997 AACS.

R 408.4861

Source: 1997 AACS.

R 408.4863

Source: 1997 AACS.

R 408.4865

Source: 1997 AACS.

R 408.4869

Source: 1997 AACS.

R 408.4871

Source: 1997 AACS.

R 408.4873

Source: 1997 AACS.

R 408.4876

Source: 1997 AACS.

R 408.4879

Source: 1997 AACS.

R 408.4882

Source: 1997 AACS.

R 408.4885

Source: 1997 AACS.

R 408.4888

Source: 1997 AACS.

R 408.4890

Source: 1997 AACS.

R 408.4893 Rescinded.

History: 1954 ACS 49, Eff. Feb. 14, 1967; 1979 AC; rescinded 2006 MR 13, Eff. Nov. 6, 2006.

PART 9. LOW-PRESSURE SIDE OF REDUCING VALVES

R 408.4901

Source: 1997 AACS.

R 408.4910

Source: 1997 AACS.

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R 408.4920
Source: 1997 AACS.

R 408.4930
Source: 1997 AACS.

R 408.4940
Source: 1997 AACS.

R 408.4950
Source: 1997 AACS.

R 408.4960
Source: 1997 AACS.

R 408.4970
Source: 1997 AACS.

R 408.4980
Source: 1997 AACS.

R 408.4990
Source: 1997 AACS.

PART 15. HEARINGS

R 408.5501
Source: 1995 AACS.

R 408.5502
Source: 1997 AACS.

R 408.5503
Source: 1997 AACS.

R 408.5504
Source: 1997 AACS.

R 408.5505
Source: 1997 AACS.

R 408.5506
Source: 1997 AACS.

R 408.5507
Source: 1997 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

BUREAU OF SAFETY AND REGULATION

OCCUPATIONAL SAFETY STANDARDS COMMISSION

GENERAL RULES

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R 408.6171

Source: 1998-2000 AACS.

BUREAU OF EMPLOYMENT STANDARDS

YOUTH EMPLOYMENT STANDARDS

PART 1. GENERAL PROVISIONS

R 408.6199

Source: 1988 AACS.

PART 2. HAZARDOUS OCCUPATIONS IN GENERAL EMPLOYMENT

R 408.6201

Source: 1988 AACS.

R 408.6202

Source: 2003 AACS.

R 408.6203 Definitions; A to E.

Rule 203. As used in this part:

(a) "Act" means 1978 PA 90, MCL 409.101 et seq.

(b) "Clay construction products" means all of the following:

(i) Brick.

(ii) Hollow structural tile.

(iii) Sewer pipe and kindred products.

(iv) Refractories.

(v) Other clay products, such as any of the following:

(A) Architectural terra cotta.

(B) Glazed structural tile.

(C) Roofing tile.

(D) Stove lining.

(E) Chimney pipes and tops.

(F) Wall coping.

(G) Drain tile.

(c) "Confined space" means an enclosed area which does not have a natural or mechanically induced supply of fresh air, including all of the following:

(A) A bin.

(B) A tank.

(C) A vessel.

(D) A vault.

(E) A well.

(d) "Construction operation" means the work designated in sector 233 – building, developing, and general contracting, sector 234 – heavy construction, and sector 235 – special trade contractors, of the North American industry classification system – United States, 1997 (NAICS) published by the office of management and budget, which are adopted by reference. The 1997 NAICS manual may be purchased from the United States Department of Commerce, Technology Administration, National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia at a cost of \$32.50. Sector 233 – building, developing, and general contracting, sector 234 – heavy construction, and sector 235 – special trade contractors, of the North American industry classification system – United States, 1997 (NAICS) manual are available for inspection at, or may be purchased from the Michigan Department of Labor and Economic Growth, Wage and Hour Division, 7150 Harris Drive, P.O. Box 30476, Lansing, MI 48909, at a cost of \$2.00.

(e) "Crane" means a power-driven machine which is for lifting and lowering a load and moving it horizontally and in which the hoisting mechanism is an integral part of the machine.

(f) "Derrick" means a power-driven apparatus consisting of a mast or equivalent members held at the top by guys and braces, with or without a boom, for use with a hoisting mechanism and operating ropes.

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- (g) "Department" means the department of labor and economic growth.
 - (h) "Director" means the director of the department or his or her authorized representative.
 - (i) "Elevator" means any power-driven hoisting or lowering mechanism equipped with a car or platform which moves in guides in a substantially vertical direction. This includes both passenger and freight elevators, but does not include dumbwaiters.
 - (j) "Employ" means engage, permit, or allow to work.
 - (k) "Employer" means a person, firm, or corporation which employs a minor and includes the state or a political subdivision of the state, an agency or instrumentality of the state, and an agent of an employer.
 - (l) "Exempt" means employment or services performed that are not covered by these rules.
 - (m) "Explosives" or "articles containing explosive components" means any chemical compound, mixture, or device, the primary purpose of which is to function by explosion; that is, substantially instantaneous decomposition with the release of heat and gas. Explosives include, but are not limited to, all of the following:
 - (i) Ammunition.
 - (ii) Black powder.
 - (iii) Blasting caps.
 - (iv) Blasting agents.
 - (v) Fulminate of mercury.
 - (vi) Fireworks.
 - (vii) Detonating primers.
 - (viii) Dynamite.
 - (ix) Lead azide.
 - (x) Nitroglycerin.
 - (xi) Picric acid.
 - (xii) Smokeless powder.
- History: 1988 MR 6, Eff. July 14, 1988; 2003 MR 14, Eff. July 30, 2003; 2006 MR 6, Eff. Mar. 24, 2006.

R 408.6204

Source: 1988 AACs.

R 408.6205

Source: 1988 AACs.

R 408.6206 Exemptions.

Rule 206. These rules shall not apply to, or prohibit a minor from engaging in, the following activities or exempt employment:

- (a) Employment of a student minor 14 years of age or older by an employer if a written agreement or contract is entered into between the employer and the board of education of the school district in which the student minor is enrolled.
- (b) Employment in a business owned and operated by the parent or guardian of a minor.
- (c) Employment of a student minor by a school, academy, or college in which a student minor who is 14 years of age or older is enrolled.
- (d) Domestic work or chores in connection with private residences.
- (e) Soliciting, distributing, selling, or offering for sale newspapers, magazines, periodicals, or political or advertising matter.
- (f) Shoe shining.
- (g) Services performed as members of recognized youth-oriented organizations that are engaged in citizenship training and character building, if the services are not intended to replace employees in occupations for which workers are ordinarily paid.
- (h) Farm work designated in sector 11—agriculture, forestry, fishing, and hunting, of the North American industry classification system—United States, 1997 (NAICS), published by the office of management and budget if the employment is not in violation of a standard established by the department. The 1997 NAICS manual may be purchased from the United States Department of Commerce, Technology Administration, National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161, at a cost of \$32.50. Sector 11—agriculture, forestry, fishing, and hunting, of the North American industry classification system—United States, 1997 (NAICS) manual is available for inspection at, or may be purchased from the Michigan Department of Labor and Economic Growth, Wage and Hour Division, 7150 Harris Drive, P.O. Box 30476, Lansing, MI 48909, at a cost of \$2.00.

History: 1988 MR 6, Eff. July 14, 1988; 2006 MR 6, Eff. Mar. 24, 2006.

R 408.6207

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Source: 1988 AACs.

R 408.6208 Prohibited occupations; construction; excavation; roofing; wrecking; demolition; ship-breaking operations; working with explosive materials, hazardous substances, radioactive substances, respiratory equipment; working in a confined space; machine operation and maintenance; operating special equipment; working with power-driven hoisting apparatus; occupations requiring use of motor vehicle.

Rule 208. (1) A minor less than 16 years of age shall not be employed in any occupations in a construction operation, as defined in R 408.6203(d), to include repair or the cleanup of a construction site.

(2) A minor shall not be employed in any occupation involving construction work; additions; improvements; excavating; highway, bridge, and street construction; roofing, as defined in R 408.6203(d), or wrecking; demolition; or ship-breaking operations.

(3) A minor shall not be employed in any occupation in or about plants or establishments which manufacture or store explosive materials or articles containing explosive materials, as defined in R 408.6203(m), including ammunition exceeding .60 caliber in size, except where both of the following criteria are met:

(a) None of the work performed in the area involves the mixing, transportation, handling, or use of explosive materials.

(b) The minor's work area is separated from the hazardous area by the distance prescribed for inhabited buildings in table 1, or the minor's work area is separated from the hazardous area by an earthen bank not less than 8 feet in height.

(4) Table 1 reads as follows:

Distances for Storage of Explosives

Explosives g		Distance in feet when storage is barricaded b,c,d,e			
Pounds Over	Pounds not over	From inhabited Buildings	From passenger railways	From public highways	Separation of magazines f
2	5	70	30	30	6
5	10	90	35	35	8
10	20	110	45	45	10
20	30	125	50	50	11
30	40	140	55	55	12
40	50	150	60	60	14
50	75	170	70	70	15
75	100	190	75	75	16
100	125	200	80	80	18
125	150	215	85	85	19
150	200	235	95	95	21
200	250	255	105	105	23
250	300	270	110	110	24
300	400	295	120	120	27
400	500	320	130	130	29
500	600	340	135	135	31
600	700	355	145	145	32
700	800	375	150	150	33
800	900	390	155	155	35
900	1,000	400	160	160	36
1,000	1,200	425	170	165	39
1,200	1,400	450	180	170	41
1,400	1,600	470	190	175	43
1,600	1,800	490	195	180	44
1,800	2,000	505	205	185	45
2,000	2,500	545	220	190	49
2,500	3,000	580	235	195	52
3,000	4,000	635	255	210	58
4,000	5,000	685	275	225	61

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5,000	6,000	730	295	235	65
6,000	7,000	770	310	245	68
7,000	8,000	800	320	250	72
8,000	9,000	835	335	255	75
9,000	10,000	865	345	260	78
10,000	12,000	875	370	270	82
12,000	14,000	885	390	275	87
14,000	16,000	900	405	280	90
15,000	18,000	940	420	285	94
18,000	20,000	975	435	290	98
20,000	25,000	1,055	470	315	105
25,000	30,000	1,130	500	340	112
30,000	35,000	1,205	525	360	119
35,000	40,000	1,275	550	380	124
40,000	45,000	1,340	570	400	129
45,000	50,000	1,400	590	420	135
50,000	55,000	1,460	610	440	140
55,000	60,000	1,515	630	455	145
60,000	65,000	1,565	645	470	150
65,000	70,000	1,610	660	485	155
70,000	75,000	1,655	675	500	160
75,000	80,000	1,695	690	510	165
80,000	85,000	1,730	705	520	170
85,000	90,000	1,760	720	530	175
90,000	95,000	1,790	730	540	180
95,000	100,000	1,815	745	545	185
100,000	110,000	1,835	770	550	195
110,000	120,000	1,855	790	555	205
120,000	130,000	1,875	810	560	215
130,000	140,000	1,890	835	565	225
140,000	150,000	1,900	850	570	235
150,000	160,000	1,935	870	580	245
160,000	170,000	1,965	890	590	255
170,000	180,000	1,990	905	600	265
180,000	190,000	2,010	920	605	275
190,000	200,000	2,030	935	610	285
200,000	210,000	2,055	955	620	295
210,000	230,000	2,100	980	635	315
230,000	250,000	2,155	1,010	650	335
250,000	275,000	2,215	1,040	670	360
275,000	300,000	2,275	1,075	690	385

Notes to Table

Note a. All types of blasting caps in strengths through No. 8 shall be rated at 1 1/2 (0.68 kg) of explosives per 1,000 caps.

Note b. "Barricaded" means that a building containing explosives is effectually screened from a magazine, building, railway, or highway, either by a natural barricade or by an artificial barricade of such height that a straight line from the top of any sidewall of the building containing explosives to the eave line of any magazine or building, or to a point 12 feet (3.66 m) above the center of a railway or highway, will pass through such intervening or artificial barricade.

Note c. "Artificial barricade" means an artificial mound or revetted wall of earth of a minimum thickness of 3 feet (0.92 m).

Note d. "Natural barricade" means natural features of the ground, such as hills or timber of sufficient density that the surrounding exposures which require protection cannot be seen from the magazine when the trees are bare of leaves.

Note e. When a building containing explosives is not barricaded, the distances shown in Table 1 shall be doubled.

Note f. When 2 or more storage magazines are located on the same property, each magazine shall comply with minimum distances specified from inhabited buildings, railways, and highways, and, in addition, they shall be separated from each other by not less than the distances shown for "Separation of magazines," except that the quantity of explosives contained in

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cap magazines shall govern in regard to the spacing of the cap magazines from magazines containing other explosives. If any 2 or more magazines are separated from each other by less than the specified "Separation of magazines" distances, then such 2 or more magazines, as a group, shall be considered as 1 magazine, and the total quantity of explosives stored in such group shall be treated as if stored in a single magazine located on the site of any magazine of the group and shall comply with the distances specified from other magazines, inhabited buildings, railways, and highways.

Note g. This table applies only to the manufacture and permanent storage of commercial explosives. It is not applicable to the transportation of explosives or any handling or temporary storage necessary or incident thereto. It is not intended to apply to bombs, projectiles, or other heavily encased explosives.

Note h. 1 pound = 0.454 kg; 1 foot = 0.305 m.

(5) A minor shall not be employed in any occupation involving the use of or exposure to hazardous substances, as defined in R 408.6204(a).

(6) A minor shall not be employed to work in any workroom in which any of the following occurs:

(a) Radium is stored or used in the manufacture of self-luminous compounds.

(b) A self-luminous compound, as defined in R 408.6205(h), is made, processed, packaged, stored, used, or worked on.

(c) Incandescent mantles made from fabric and solutions containing thorium salts are manufactured, processed, or packaged.

(d) Other radioactive substances are present in the air in average concentrations exceeding 10% of the maximum permissible concentrations in the air recommended for occupational exposure as set forth in the 40-hour week column of table 1 of the national council on radiation protection report no. 22, entitled, "Maximum Permissible Body Burdens and Maximum Permissible Concentrations of Radionuclides in Air and Water for Occupation Exposure," June 5, 1959, issue, which is adopted by reference in these rules and is available for inspection at the Lansing office of the Michigan Department of Labor and Economic Growth, Wage and Hour Division, 7150 Harris Drive, P.O. Box 30476, Lansing, MI 48909.

This report may be purchased from the National Council on Radiation Protection and Measurements, 7910 Woodmont Avenue, Suite 400, Bethesda, MD 20814-3095, at the cost of \$20.00. Part 22 of this report is available for inspection at, or may be purchased from the Michigan Department of Labor and Economic Growth, Wage and Hour Division, 7150 Harris Drive, P.O. Box 30476, Lansing, MI 48909, at a cost of \$3.00.

(7) A minor shall not be employed in any occupation which requires the use of respiratory equipment, as defined in R 408.6205(g).

(8) A minor under 16 years of age shall not be employed in any occupation involving work in a confined space, as defined in R 408.6203(c).

(9) A minor shall not be employed in any occupation involving the operations, setup, repair, adjustment, oiling, or cleaning of any of the following machines:

(a) Power-driven woodworking machinery, as defined in R 408.6205(e).

(b) Power-driven metal-forming, metal-punching, and metal-shearing machines, as defined in R 408.6205(c).

(c) Power-driven bakery machines, as defined in R 408.6205(a).

(d) Power-driven paper products machinery, as defined in R 408.6205(d).

(e) Power-driven saws.

(f) Power-driven meat-processing machines, as defined in R 408.6205(b).

(10) A minor shall not operate, or assist in the operation of, including the starting, stopping, adjusting, feeding, or any other activity involving physical contact with, any of the following machines:

(a) Trencher or earth-moving equipment.

(b) Tractors exceeding 20 power-take-off horsepower, including connecting or disconnecting an implement or any of its parts to or from such a tractor; except that minors 16 to 17 years of age who are provided operating instructions from their employers may operate such tractors.

(11) A minor shall not be employed in work which involves any of the following activities:

(a) The operation of a power-driven hoisting apparatus, including an elevator, power industrial truck, crane, derrick, or hoist, except for the operation of an unattended automatic operation passenger elevator. An employer may apply for a deviation for 16- and 17-year-old minors to operate a motorized hand truck and low-lift platform truck, as defined in R 408.6204(c) and (f), in accordance with R 408.6303.

(b) Riding on a manlift or on a freight elevator, except for a freight elevator which is operated by an assigned operator.

(c) Assisting in the operation of a crane, derrick, or hoist as traditionally performed by crane hookers, crane chasers, hookers-on, riggers, rigger helpers, and similar occupations.

(12) A minor under 16 years of age shall not work under equipment or machinery which has been elevated by a hoist, jack, blocks, or hydraulic power system.

(13) A minor shall not be employed in any occupation which requires the operation of a motor vehicle on any public road or highway, except when such operation is occasional and incidental to the minor's primary work activities and if all of the following requirements are complied with:

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- (a) The gross vehicle weight does not exceed 6,000 pounds.
 - (b) The operation is restricted to daylight hours.
 - (c) The minor holds a state license valid for the type of motor vehicle operation involved in the job performed and has completed a state-approved driver education course.
 - (d) The vehicle is equipped with a seat belt or similar device for the driver and for each helper, and the employer has instructed each minor that such belts or other devices must be used.
 - (e) The operation does not involve the transporting of passengers or the towing of vehicles.
 - (14) A minor shall not be employed as an outside helper on any motor vehicle on a public highway.
- History: 1988 MR 6, Eff. July 14, 1988; 2003 MR 14, Eff. July 30, 2003;
2006 MR 6, Eff. Mar 24, 2006.

R 408.6209

Source: 1988 AACs.

**PART 3. DEVIATIONS FROM ESTABLISHED STANDARDS OR FROM
LEGAL HOURS OF EMPLOYMENT FOR 16- AND 17-YEAR-OLD MINORS**

R 408.6301

Source: 1988 AACs.

R 408.6302 Application for deviation from legal hours of employment.

Rule 302. (1) An employer seeking approval to employ minors age 16 and older beyond the hours prescribed in the act shall file an application for a deviation from the legal hours of employment with the department.

(2) An application for a deviation shall include all of the following information:

- (a) The name and address of the employer.
- (b) The name and title of the person filing the application.
- (c) An indication of the work schedule for hours to be worked before 6 a.m. and after 10:30 p.m. when school is in session and before 6 a.m. and after 11:30 p.m. when school is not in session.
- (d) The address where the work is to be performed.
- (e) A statement of the type of business.
- (f) Verification that all of the following shall be maintained by the employer:
 - (i) Written permission of the parent or guardian for the minor to work the hours requested.
 - (ii) Records certifying that the combined school and work week does not exceed 48 hours when school is in session and that work hours do not exceed 48 hours when school is not in session.
 - (iii) A written statement from the school the minor attends verifying the number of hours the minor is in school.

History: 1988 MR 6, Eff. July 14, 1988; 2003 MR 14, Eff. July 30, 2003; 2006 MR 6, Eff. Mar. 24, 2006.

R 408.6303 Application for deviation from hazardous occupation standards.

Rule 303. (1) An employer seeking approval to employ minors age 16 and older in an occupation determined to be hazardous shall file an application for a deviation from a hazardous occupation with the department.

(2) An application for a deviation shall include all of the following information:

- (a) The name and address of the firm.
- (b) The name and title of the person filing the application.
- (c) The name, address, and date of birth of the minor.
- (d) The school the minor is attending, if the minor is attending school.
- (e) The address where the work is to be performed.
- (f) A specification of the standard, or portion thereof, from which the applicant seeks a deviation.
- (g) A statement of the type of business.
- (h) A statement detailing how approval of the deviation will be in the best interests of the minor. The statement may include, but is not limited to, an indication that the minor is not attending school or that the request is based upon a family hardship.
- (i) A statement indicating any training the minor has received in the proposed type of employment, including a copy of the certification of successful completion of the training program if certification was given.
- (j) The maximum hours to be worked on a daily and weekly basis.
- (k) A statement of how the safety, health, and personal well-being of the minor will be protected, including an assurance that all safety and health standards will be complied with and enforced by the employer.
- (l) The written approval of the parent or guardian.

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History: 1988 MR 6, Eff. July 14, 1988; 2003 MR 14, Eff. July 30, 2003; 2006 MR 6, Eff. Mar. 24, 2006.

R 408.6304

Source: 2003 AACS.

R 408.6305

Source: 1988 AACS.

R 408.6306

Source: 1988 AACS.

R 408.6307

Source: 1988 AACS.

R 408.6308

Source: 1988 AACS.

R 408.6309 Prohibited conduct.

Rule 309. (1) In addition to conduct otherwise prohibited, a person who employs a minor shall not do any of the following:

- (a) Allow a minor to work in a prohibited occupation, as provided in R 408.6208, R 408.6209, and the federal child labor regulations, 29 C.F.R. 570.1 et seq., if applicable.
- (b) Fail to provide adult supervision as required by R 408.6207.
- (c) Fail to have a work permit on file, when required by the act or these rules.
- (d) Allow a minor under the age of 16 to work days or hours not allowed under section 10 of the act.
- (e) Allow a minor age 16 to 17 to work days or hours not allowed under section 11 of the act without an approved deviation from the department.
- (f) Fail to provide a minor with a meal or rest period, as required by section 12 of the act.
- (g) Fail to satisfy the posting and time records requirements of section 13 of the act.

(2) A person employing a minor who violates any of the provisions of subrule (1) of this rule is subject to the penalties in section 22(1) of the act.

History: 2006 MR 6, Eff. Mar 24, 2006.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

DIRECTOR'S OFFICE

ELEVATORS

CHAPTER 1. GENERAL PROVISIONS

R 408.7001

Source: 2003 AACS.

R 408.7002

Source: 2005 AACS.

R 408.7003

Source: 2005 AACS.

R 408.7004

Source: 2003 AACS.

R 408.7005

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R 408.7006

Source: 2003 AACS.

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R 408.7007
Source: 2003 AACCS.

R 408.7008
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R 408.7009
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R 408.7010
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R 408.7011
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R 408.7012
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R 408.7015
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R 408.7016
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R 408.7017
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R 408.7018
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R 408.7020
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R 408.7022
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R 408.7023
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R 408.7024
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R 408.7025
Source: 2003 AACCS.

CHAPTER 2. ALL ELEVATORS

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R 408.7026
Source: 2003 AACS.

R 408.7027
Source: 2003 AACS.

R 408.7028
Source: 2003 AACS.

R 408.7029
Source: 2003 AACS.

R 408.7030
Source: 2003 AACS.

R 408.7031
Source: 2003 AACS.

CHAPTER 3. ASME A17.1 MODIFICATIONS

R 408.7032
Source: 2005 AACS.

R 408.7033
Source: 2003 AACS.

R 408.7034
Source: 2003 AACS.

R 408.7035
Source: 2003 AACS.

R 408.7036
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R 408.7037
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R 408.7037a
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Source: 2003 AACS.

R 408.7044

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R 408.7051

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R 408.7052

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R 408.7053

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R 408.7054

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R 408.7054a

Source: 2005 AACS.

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R 408.7057

Source: 2003 AACS.

R 408.7058

Source: 2005 AACS.

R 408.7059

Source: 2003 AACS.

R 408.7060

Source: 2005 AACS.

CHAPTER 4. ASME A18.1 MODIFICATIONS

R 408.7061

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Source: 2003 AACS.

R 408.7062

Source: 2003 AACS.

R 408.7063

Source: 2003 AACS.

R 408.7064

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R 408.7066

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R 408.7067

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R 408.7068

Source: 2003 AACS.

CHAPTER 5. ASME A90-1 MODIFICATIONS

R 408.7069

Source: 2005 AACS.

CHAPTER 6. ANSI A10.4 MODIFICATIONS

R 408.7070

Source: 2005 AACS.

R 408.7071

Source: 2003 AACS.

R 408.7072

Source: 2003 AACS.

R 408.7073

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R 408.7080
Source: 2003 AACS.

R 408.7081
Source: 2003 AACS.

CHAPTER 7. SEWER LIFT STATION PERSONNEL ELEVATORS

R 408.7082
Source: 2003 AACS.

R 408.7083
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R 408.7084
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R 408.7085
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R 408.7086
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R 408.7099

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R 408.7100

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R 408.7102

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R 408.7103

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R 408.8101

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R 408.8103

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R 408.8108

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R 408.8138
Source: 2003 AACCS.

R 408.8139
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R 408.8141
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Source: 2003 AACS.

R 408.8215

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R 408.8364
Source: 2003 AACCS.

R 408.8365
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R 408.8401
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R 408.8403
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R 408.8463
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R 408.8537a
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R 408.8671

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R 408.8681

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R 408.8682

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R 408.8683
Source: 2003 AACCS.

R 408.8690
Source: 2003 AACCS.

R 408.8691
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R 408.8691a
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R 408.8691b
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R 408.8692
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R 408.8693
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R 408.8694
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R 408.8695
Source: 2003 AACCS.

PAYMENT OF WAGES AND FRINGE BENEFITS

R 408.9001
Source: 1998-2000 AACCS.

R 408.9002 Definitions; A to I.

Rule 2. (1) As used in these rules:

(a) "Act" means 1978 PA 390, MCL 408.471 et seq., and known as the payment of wages and fringe benefits act.

(b) "Complainant" means any person who submits a complaint alleging a violation of the act and who provides the information required by the department.

(c) "Department" means the department of labor and economic growth.

(d) "Voluntary payment in full" means either of the following:

(i) Payment of wages and fringe benefits claimed before the issuance of a departmental determination.

(ii) Payment of the full amount of wages and fringe benefits due, plus the 10% per annum penalty and any exemplary damages assessed within 14 days of the date of the determination. If the last day of the 14-day period is a Saturday, Sunday, or a state holiday, then that day is excluded and the period extends until the end of the next day that is not a Saturday, Sunday, or state holiday.

(2) As used in the act:

(a) "An employee employed in a bona fide administrative capacity" means an employee who is compensated on a salary basis at not less than \$250.00 per week and whose primary duty is nonmanual work directly related to management policies of the general business operations or performing functions in the administration of an educational institution.

(b) "An employee employed in a bona fide executive capacity" means an employee to whom all of the following provisions apply:

(i) Compensation is on a salary basis at not less than \$250.00 per week.

(ii) The employee's primary duty is management.

(iii) The employee supervises 2 or more employees.

(c) "An employee employed in a bona fide professional capacity" means an employee who is compensated on a salary basis at not less than \$250.00 per week and whose primary duty is any of the following:

(i) Work in a field of science or learning that requires knowledge acquired by a prolonged course of specialized instruction.

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- (ii) Work in a recognized field of artistic endeavor that depends upon the talent of the employee.
 - (iii) Work in an educational institution as a teacher, tutor, instructor, or lecturer.
 - (d) "Bonus" means a premium or extra or irregular remuneration in addition to wages that is awarded to an employee under a written contract or written policy.
 - (e) "Director" means the director of the department or his or her authorized representative.
 - (f) "Informally resolve" means any of the following:
 - (i) Voluntary payment in full as defined in R 408.9002.
 - (ii) A settlement agreement as described in R 408.9026.
 - (iii) Withdrawal of the complaint as described in R 408.9027.
- History: 1979 ACS 9, Eff. Jan. 21, 1982; 1998 MR 1, Eff. Feb. 12, 1998; 2003 MR 14, Eff. July 30, 2003; 2006 MR 13, Eff. July 10, 2006.

R 408.9003

Source: 1998-2000 AACS.

R 408.9004

Source: 1998-2000 AACS.

R 408.9005

Source: 1998-2000 AACS.

R 408.9006

Source: 1998-2000 AACS.

R 408.9007

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R 408.9008

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R 408.9010

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R 408.9011

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R 408.9012

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R 408.9013

Source: 1998-2000 AACS.

R 408.9014

Source: 1998-2000 AACS.

R 408.9015

Source: 1998-2000 AACS.

R 408.9016

Source: 1998-2000 AACS.

R 408.9017

Source: 1998-2000 AACS.

R 408.9018

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Source: 1982 AACS.

R 408.9019

Source: 2003 AACS.

R 408.9020

Source: 1998-2000 AACS.

R 408.9021

Source: 1998-2000 AACS.

R 408.9022

Source: 1998-2000 AACS.

R 408.9023

Source: 1998-2000 AACS.

R 408.9024

Source: 1998-2000 AACS.

R 408.9025

Source: 1998-2000 AACS.

R 408.9026

Source: 1998-2000 AACS.

R 408.9027

Source: 1998-2000 AACS.

R 408.9028

Source: 1998-2000 AACS.

R 408.9029

Source: 1998-2000 AACS.

R 408.9030

Source: 1998-2000 AACS.

R 408.9031

Source: 1998-2000 AACS.

R 408.9032

Source: 1998-2000 AACS.

R 408.9033 Assessment of penalties; civil penalty.

Rule 33 (1) A civil penalty assessed under this rule shall not be more than \$1,000.00.

(2) An employer who violates section 2 to 8 or section 10 of the act shall be assessed a civil penalty of 50% of the amount of wages and fringe benefits due an employee.

(3) A civil penalty assessed under subrule (2) of this rule shall be collected only if the director is required to initiate civil action to enforce an order of the department that has become a final agency order.

(4) A civil penalty of \$1,000.00 shall be assessed for a violation of section 13 or section 13a of the act.

(5) A civil penalty of \$1,000.00 may be assessed for a violation of section 9 of the act.

History: 1979 ACS 9, Eff. Jan. 21, 1982; 1998 MR 1, Eff. Feb. 12, 1998; 2006 MR 13, Eff. July 10, 2006.

R 408.9034

Source: 1997 AACS.

R 408.9035 Payment of wages by payroll debit card; conditions.

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Rule 35. Pursuant to section 6 of the act, an employer or agent of an employer may use a payroll debit card to pay wages to an employee, if all of the following conditions are satisfied:

- (a) The employee can obtain payment of his or her wages in full, when they are due and payable.
- (b) Prior to the issuance of a payroll debit card to an employee, the employer shall provide to the employee a written notice of all of the following:
 - (i) The terms and conditions of the payroll debit card.
 - (ii) Disclosure of fees that may be assessed by the card issuer.
 - (iii) Disclosure that additional fees may be assessed by third parties through use of a payroll debit card in addition to fees assessed by the card issuer.
- (c) If a payroll debit card is used, then the cardholder, not the issuer or the bank, shall possess ownership of the funds. Neither the issuer nor the bank shall retain a reversionary interest in the funds. The reversal of a deposit of wages made to a payroll debit card account in error is not considered reversionary when it involves any of the following:
 - (i) A credit made to the wrong employee account.
 - (ii) A duplicate credit made to an employee account.
 - (iii) A credit that differs from the amount in the transmittal instructions.
 - (iv) A correction as described in section 7(4) of the act, being MCL 408.477(4).
- (d) If an employer deposits wages into a pooled account accessible to an employee using a payroll debit card, the employer shall maintain records of each deposit sent to the card issuer for that account showing the amount of wages deposited for each employee and the date of the deposit. In addition, each cardholder's ownership interest in the funds deposited shall be indicated on records maintained by the card issuer, the depository institution's deposit account, or a third party.

History: 2006 MR 13, Eff. July 10, 2006.

GENERAL INDUSTRY SAFETY STANDARDS

PART 1. GENERAL PROVISIONS

R 408.10003

Source: 1993 AACS.

R 408.10015

Source: 1988 AACS.

R 408.10016

Source: 1983 AACS.

R 408.10018

Source: 1981 AACS.

R 408.10032

Source: 1997 AACS.

R 408.10033

Source: 1993 AACS.

R 408.10036

Source: 1983 AACS.

R 408.10037

Source: 1993 AACS.

R 408.10098

Source: 1993 AACS.

PART 1A. ABRASIVE WHEELS

R 408.10102

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Source: 1990 AACS.

R 408.10103

Source: 1990 AACS.

R 408.10105

Source: 1990 AACS.

R 408.10115

Source: 1990 AACS.

GUARDING PROVISIONS

R 408.10121

Source: 1990 AACS.

R 408.10124

Source: 1990 AACS.

SPEED PROVISIONS

R 408.10171

Source: 1997 AACS.

R 408.10172

Source: 1997 AACS.

R 408.10173

Source: 1990 AACS.

R 408.10174

Source: 1990 AACS.

R 408.10175

Source: 1990 AACS.

SPECIAL SPEEDS

R 408.10177

Source: 1990 AACS.

OPERATING PROVISIONS

R 408.10181

Source: 1990 AACS.

R 408.10186

Source: 1990 AACS.

R 408.10187

Source: 1990 AACS.

R 408.10198

Source: 1990 AACS.

R 408.10199

Source: 1990 AACS.

PART 2. FLOOR AND WALL OPENINGS, STAIRWAYS, AND SKYLIGHTS

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R 408.10201
Source: 1989 AACS.

R 408.10206
Source: 1989 AACS.

R 408.10208
Source: 1989 AACS.

R 408.10217
Source: 1989 AACS.

R 408.10219
Source: 1989 AACS.

R 408.10223
Source: 1989 AACS.

R 408.10228
Source: 1989 AACS.

R 408.10230
Source: 1989 AACS.

R 408.10231
Source: 1989 AACS.

R 408.10233
Source: 1989 AACS.

R 408.10235
Source: 1989 AACS.

R 408.10236
Source: 1989 AACS.

R 408.10237
Source: 1989 AACS.

R 408.10240
Source: 1989 AACS.

PART 3. FIXED LADDERS

R 408.10305
Source: 1994 AACS.

R 408.10306
Source: 1994 AACS.

R 408.10307
Source: 1994 AACS.

R 408.10308
Source: 1994 AACS.

R 408.10310
Source: 1994 AACS.

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R 408.10311
Source: 1994 AACS.

R 408.10323
Source: 1994 AACS.

R 408.10324
Source: 1994 AACS.

R 408.10333
Source: 1994 AACS.

R 408.10342
Source: 1994 AACS.

R 408.10345
Source: 1994 AACS.

R 408.10351
Source: 1998-2000 AACS.

R 408.10354
Source: 1994 AACS.

R 408.10355
Source: 1994 AACS.

R 408.10365
Source: 1982 AACS.

R 408.10371
Source: 1994 AACS.

R 408.10372
Source: 1994 AACS.

PART 4. PORTABLE LADDERS

R 408.10403
Source: 1981 AACS.

R 408.10407
Source: 1982 AACS.

R 408.10426
Source: 1997 AACS.

R 408.10427
Source: 1981 AACS.

R 408.10428
Source: 1981 AACS.

R 408.10431
Source: 1982 AACS.

R 408.10441
Source: 1981 AACS.

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R 408.10446
Source: 1982 AACS.

R 408.10447
Source: 1981 AACS.

R 408.10451
Source: 1981 AACS.

PART 5. SCAFFOLDING

R 408.10502
Source: 1992 AACS.

R 408.10503
Source: 1992 AACS.

R 408.10506
Source: 1992 AACS.

R 408.10507
Source: 1992 AACS.

R 408.10508
Source: 1992 AACS.

R 408.10511
Source: 1983 AACS.

R 408.10512
Source: 1981 AACS.

R 408.10513
Source: 1983 AACS.

R 408.10521
Source: 1981 AACS.

R 408.10524
Source: 1981 AACS.

R 408.10525
Source: 1983 AACS.

R 408.10527
Source: 1981 AACS.

R 408.10529
Source: 1983 AACS.

R 408.10532
Source: 1983 AACS.

R 408.10535
Source: 1983 AACS.

R 408.10542
Source: 1981 AACS.

POWERED PLATFORMS

R 408.10561
Source: 1992 AACCS.

R 408.10562
Source: 1992 AACCS.

R 408.10563
Source: 1992 AACCS.

R 408.10564
Source: 1992 AACCS.

R 408.10565
Source: 1992 AACCS.

R 408.10566
Source: 1992 AACCS.

R 408.10567
Source: 1992 AACCS.

R 408.10568
Source: 1992 AACCS.

R 408.10569
Source: 1992 AACCS.

R 408.10570
Source: 1992 AACCS.

R 408.10571
Source: 1992 AACCS.

R 408.10572
Source: 1992 AACCS.

R 408.10573
Source: 1992 AACCS.

R 408.10574
Source: 1992 AACCS.

R 408.10575
Source: 1992 AACCS.

R 408.10576
Source: 1992 AACCS.

R 408.10577
Source: 1992 AACCS.

R 408.10578
Source: 1992 AACCS.

R 408.10579
Source: 1992 AACCS.

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R 408.10580
Source: 1992 AACS.

R 408.10581
Source: 1992 AACS.

WIRE, FIBER, AND SYNTHETIC ROPE

R 408.10582
Source: 1992 AACS.

R 408.10583
Source: 1992 AACS.

R 408.10584
Source: 1992 AACS.

R 408.10585
Source: 1992 AACS.

R 408.10586
Source: 1992 AACS.

R 408.10587
Source: 1992 AACS.

R 408.10588
Source: 1992 AACS.

R 408.10589
Source: 1992 AACS.

R 408.10590
Source: 1992 AACS.

R 408.10591
Source: 1992 AACS.

R 408.10592
Source: 1992 AACS.

PART 6. FIRE EXITS

GENERAL PROVISIONS

R 408.10601
Source: 1990 AACS.

R 408.10603
Source: 1990 AACS.

R 408.10604
Source: 1990 AACS.

R 408.10605
Source: 1990 AACS.

R 408.10608

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Source: 1990 AACS.

R 408.10611

Source: 1990 AACS.

CLASSES OF OCCUPANCY AND HAZARD OF CONTENTS

R 408.10621

Source: 1990 AACS.

R 408.10623

Source: 1993 AACS.

R 408.10624

Source: 1993 AACS.

MEANS OF EGRESS

R 408.10634

Source: 1990 AACS.

R 408.10636

Source: 1990 AACS.

R 408.10639

Source: 1990 AACS.

R 408.10644

Source: 1990 AACS.

R 408.10645

Source: 1990 AACS.

R 408.10647

Source: 1990 AACS.

R 408.10664

Source: 1990 AACS.

R 408.10679

Source: 1998-2000 AACS.

R 408.10695

Source: 1990 AACS.

PART 7. GUARDS FOR POWER TRANSMISSION

R 408.10703

Source: 1982 AACS.

R 408.10711

Source: 1982 AACS.

R 408.10712

Source: 1982 AACS.

R 408.10713

Source: 1982 AACS.

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R 408.10714
Source: 1997 AACS.

R 408.10715
Source: 1982 AACS.

R 408.10716
Source: 1982 AACS.

R 408.10721
Source: 1982 AACS.

R 408.10722
Source: 1982 AACS.

R 408.10725
Source: 1982 AACS.

R 408.10726
Source: 1982 AACS.

R 408.10727
Source: 1982 AACS.

R 408.10730
Source: 1982 AACS.

R 408.10731
Source: 1982 AACS.

R 408.10734
Source: 1982 AACS.

R 408.10741
Source: 1982 AACS.

R 408.10744
Source: 1982 AACS.

R 408.10753
Source: 1982 AACS.

R 408.10754
Source: 1982 AACS.

R 408.10757
Source: 1997 AACS.

R 408.10763
Source: 1982 AACS.

PART 8. PORTABLE FIRE EXTINGUISHERS

GENERAL PROVISIONS

R 408.10803 Definitions; A to C.

Rule 803. (1) “Approved label” means a label or other identifying mark of a nationally recognized testing laboratory such as underwriters’ laboratories, incorporated, factory mutual research corporation, or underwriters’ laboratories of Canada that

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maintains a periodic inspection of production of labeled fire equipment or materials and by whose labeling is indicated compliance with nationally recognized standards or tests to determine suitable usage in a specified manner.

(2) "Class "A" fire" means a fire that has as its fuel ordinary combustible material such as wood, cloth, paper, rubber, and many plastics.

(3) "Class "B" fire" means a fire that has as its fuel flammable liquids, gases, or greases.

(4) "Class "C" fire" means a fire that involves energized electrical equipment where the nonconductivity of the extinguishing agent is necessary to prevent shock. The fuel consumed by a class "C" fire will be classed as A, B, or D.

(5) "Class "D" fire" means a fire that involves the oxidation reaction of combustible metals such as magnesium, titanium, zirconium, sodium, or potassium.

(6) "Class "K" fire" means a fire in cooking appliances that involve combustible vegetable or animal oils and fats.

History: 1954 ACS 69, Eff. Oct. 15, 1971; 1979 AC; 2006 MR 8, Eff. May 15, 2006.

R 408.10807 Obtaining referenced standards.

Rule 807. (1) The following referenced standards are available for review at the offices of the Michigan department of labor and economic growth, MIOSHA Standards Section, 7150 Harris Drive, Lansing, Michigan 48909-8143, and are available as follows:

(a) The Code of Federal Regulations, Title 49, Transportation, Part 100 to 185, 2004 edition, stock number: 869-052-00203-8 and The Code of Federal Regulations, Title 49, Transportation, Part 186 to 199, 2004 edition, stock number: 869-052-00204-6, may be obtained from the U.S. Government Printing Office, Washington DC, 20402; telephone number: 888-293-6498; or via the internet at website: <http://bookstore.gpo.gov>; at a cost, as of the time of adoption of these rules of \$63.00 and \$23.00, respectively.

(b) The Michigan Occupational Safety and Health General Industry Safety Standard Part 9 "Fixed Fire Equipment," being R 408.10921 et seq., may be obtained from the Michigan department of labor and economic growth, MIOSHA Standards Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48908-8143 or via the internet at website: www.michigan.gov/mioshastandards. Up to 5 copies are available at no charge, for quantities greater than 5, the cost is 4 cents per page.

History: 2006 MR 8, Eff. May 15, 2006.

R 408.10811 Classification.

Rule 811. (1) An extinguisher shall be classified by suitability for a class of fire as defined in R 408.10803 and rated for extinguishing capability.

(2) The classification shall consist of a letter which indicates the class of fire on which the extinguisher has been found effective, preceded by a rating numeral, for class "A" and "B" only, which rates the extinguishing potential of the extinguisher. See tables 3 and 4.

History: 1954 ACS 69, Eff. Oct. 15, 1971; 1979 AC; 2006 MR 8, Eff. May 15, 2006.

R 408.10813 Classes of fire; type and contents of extinguisher.

Rule 813. (1) An extinguisher shall be selected and provided for protection against a specific class or classes of fire in accordance with table 1.

(2) Table 1 reads as follows:

Table 1

HAZARD	EXTINGUISHER TYPE AND CONTENTS
Class "A" fire	Foam, loaded stream, multipurpose dry chemical, pressure-operated water, water pump tanks.
Class "B" fire	Carbon dioxide, dry chemical, foam, loaded stream, multipurpose dry chemical, bromotrifluoromethane.
Class "C" fire	Carbon dioxide with plastic horn only, dry chemical, multipurpose dry chemical, bromotrifluoromethane.
Class "D" fire	Extinguishing agent listed for use on a specific combustible metal hazard.
Class "K" fire	Potassium acetate, potassium carbonate, potassium citrate, or a combination of these chemicals mixed with water.

(3) Soldered or riveted shell self-generating soda acid or self-generating foam or gas cartridge water-type portable fire extinguishers which are operated by inverting the extinguisher to rupture the cartridge or to initiate an uncontrollable pressure generating chemical reaction to expel the agent shall be removed from service on the effective date of this part.

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History: 1954 ACS 69, Eff. Oct. 15, 1971; 1954 ACS 89, Eff. Nov. 13, 1976; 1979 AC; 1979 ACS 4, Eff. Nov. 25, 1980; 1984 MR 2, Eff. Mar. 2, 1984; 2006 MR 8, Eff. May 15, 2006.

R 408.10814

Source: 1980 AACS.

DISTRIBUTION

R 408.10822 Class “A” extinguishers.

Rule 822. (1) The number of class “A” fire extinguishers required shall be in accordance with table 3.

(2) Travel distance to the nearest extinguisher shall not be more than 75 feet.

(3) A class “A” extinguisher shall be provided for a combustibile building, interior finish and contents having class “A” fire potential in accordance with table 3.

(4) A combustible building having an occupancy hazard subject to class “B” or “C” fires shall have the required class “A” extinguishers in addition to class “B” or “C” extinguishers except that if the fire extinguisher has more than 1 letter classification, it may be considered to satisfy the requirements of both classifications.

(5) A class “A” extinguisher shall be located on the same floor as the hazard.

(6) A floor area of a building less than that specified in table 3 shall have at least 1 class “A” extinguisher of the minimum size.

(7) The requirements of table 3 may be fulfilled by extinguishers of lower ratings whose numerical ratings are equal to or exceed the minimum rating for the area specified, except that an extinguisher with a rating of less than “2A” shall not be acceptable.

(8) Protection requirements shall be considered fulfilled if extinguishers of a higher rating are provided and the travel distance does not exceed 75 feet.

(9) Within a location where an approved automatic sprinkler system is provided, the square feet area limitation prescribed in table 3 shall not apply for the protection requirements of class “A” extinguishers. The 75 feet travel distance to an extinguisher shall not be exceeded.

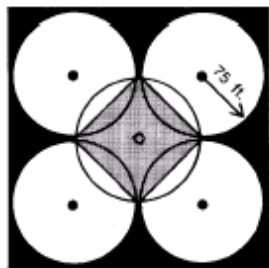
(10) The employer may use uniformly spaced standpipe and hose systems or sprinkler system hose stations where installed for emergency use by employees instead of class “A” portable fire extinguishers if such systems meet the requirements as prescribed in general industry safety standard, Part 9. Fixed Fire Equipment, being R 408.10921 to R 408.10937.

(11) Table 3 reads as follows:

Table 3

	LIGHT (LOW) HAZARD OCCUPANCY	ORDINARY (MODERATE) HAZARD OCCUPANCY	EXTRA (HIGH) HAZARD OCCUPANCY
Minimum rated Single extinguisher	2-A	2-A	4-A*
Maximum floor area per unit of A	3,000 sq. ft.	1,500 sq. ft.	1,000 sq. ft.
Maximum floor area for extinguisher	11,250 sq. ft.**	11,250 sq. ft.**	11,250 sq. ft.**
Maximum travel Distance extinguisher	75 ft.	75 ft.	75 ft.

*Two 2 1/2 gal. (9.46 L) water type extinguishers can be used to fulfill the requirements of one 4-a rated extinguisher.



The dotted square shows the maximum area (11,250 sq. ft.) (1,045 sq. m.) that an extinguisher can protect within the limits of

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the 75-ft. (22.7 m) radius.

History: 1954 ACS 69, Eff. Oct. 15, 1971; 1954 ACS 80, Eff. July 23, 1974; 1979 AC; 1979 ACS 4, Eff. Nov. 25, 1980; 1984 MR 2, Eff. Mar. 2, 1984; 2006 MR 8, Eff. May 15, 2006.

R 408.10823

Source: 1980 AACS.

R 408.10826 Class “K” extinguishers.

Rule 826. (1) A class ‘K’ extinguisher shall be provided for hazards where there is a potential for fires involving combustible vegetable or animal oils and fats.

(2) A placard shall be conspicuously placed near the extinguisher that states that the fire protection system shall be activated before using the fire extinguisher.

(3) A class “K” extinguisher shall be maintained within 30 feet (9.15 m) from the hazards.

(4) Class “K” fire extinguishers manufactured after January 1, 2002, shall not be equipped with “extended wand-type” discharge devices.

(5) Existing dry chemical extinguishers without a Class “K” listing that were installed for the protection of Class “K” hazards shall be replaced with an extinguisher having Class “K” listing when the dry chemical extinguishers become due for either a 6-year maintenance or hydrostatic test.

History: 2006 MR 8, Eff. May 15, 2006.

R 408.10833 Installation.

Rule 833. (1) An extinguisher shall be installed securely on a hanger, in a bracket or mounted in a cabinet unless it is wheeled type or cart mounted. A means shall be used to indicate the location of an extinguisher mounted in a cabinet or on a shelf. The extinguisher shall be placed so that the operating instructions face outward.

(2) An extinguisher having a gross weight of not more than 40 pounds shall be installed so that the top is not more than 5 feet above the floor. An extinguisher having a gross weight of more than 40 pounds, except a wheeled type or cart mounted extinguisher, shall be installed so that the top is not more than 3 1/2 feet above the floor. An extinguisher, except a wheeled type or cart mounted extinguisher, shall be installed so that the bottom is not less than 4 inches from the floor.

(3) An extinguisher shall be suitable for use within a temperature range of not less than plus 40 degrees to plus 120 degrees Fahrenheit. An extinguisher installed at a location subjected to temperature extremes shall be of a type listed for the temperature to which it will be exposed or shall be placed in an enclosure capable of maintaining the temperature.

History: 1954 ACS 69, Eff. Oct. 15, 1971; 1954 ACS 80, Eff. July 23, 1974; 1979 AC; 1979 ACS 4, Eff. Nov. 25, 1980; 2006 MR 8, Eff. May 15, 2006.

R 408.10836 Testing.

Rule 836. (1) An extinguisher shall receive an approved hydrostatic test every 5 years, except for dry chemical extinguishers with brazed brass, aluminum, or mild steel shells; bromotrifluoromethane extinguishers; and dry powder extinguishers for metal fires, which shall be tested every 12 years. The hydrostatic test date shall be recorded on a suitable metallized decal or equally durable material which has been affixed by a heatless process to the shell of the extinguisher and which shows the date of the test, test pressure, and the name of the person or agency making the test. An extinguisher tested after July 5, 1974, shall have a label which will not retain its original condition when removal from an extinguisher is attempted. An extinguisher manufactured under the United States department of transportation specifications incorporated in subrule (2) of this rule may have the inspection date and the serviceman’s or firm’s name, initials, or symbol stamped into the cylinder.

(2) An extinguisher, cylinder, or cartridge used for storage of a compressed gas, manufactured as prescribed by United States department of transportation specifications, shall be hydrostatically tested in accordance with the United States department of transportation regulations prescribed in 49 C.F.R. Part 179 to 190, 2004 edition, which are incorporated herein by reference.

(3) A nitrogen cylinder or other cylinder for inert gas, such as on a wheeled extinguisher, shall be tested at not less than 5 year intervals.

(4) The hose and couplings on an extinguisher equipped with a shut-off nozzle at the outlet end of the hose shall have a hydrostatic test interval prescribed for the unit on which the hose is installed.

(5) A dry chemical and dry powder hose assembly requiring a hydrostatic test shall be at a test pressure of 300 pounds per square inch for 1 minute. A carbon dioxide hose assembly requiring a hydrostatic test shall be at a test pressure of 1,250 pounds per square inch for 1 minute. Such hoses shall be tested within a protective cage.

(6) An extinguisher subjected to an original factory test pressure of 350 pounds per square inch or more shall be tested at 75% of the factory test pressure, but not less than 300 pounds per square inch (see table 5).

(7) Table 5 reads as follows:

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Table 5
Hydrostatic Test Pressure Requirements – Non-ICC Shells
Shells Not Specified in U.S. Department of Transportation Regulations

EXTINGUISHER TYPE	ORIGINAL FACTORY TEST PRESSURE	REQUIRES HYDROSTATIC TEST PRESSURE
All Dry Chemical and Dry Powder	400 psi or greater	75% of factory test pressure
	350-399 psi below 350 psi	300 psi 75% of factory test pressure
Foam – 500 psi factory test	500	375
Foam – 350 psi factory test	350	300
Stored-Pressure or Cartridge-Operated Water-Type (including Anti-Freeze and Loaded-Stream)	400 psi or greater	75% of factory test pressure
	350-399 psi below 350	300 psi 75% of factory test pressure

History: 1954 ACS 69, Eff. Oct. 15, 1971; 1954 ACS 80, Eff. July 23, 1974; 1954 ACS 89, Eff. Nov. 13, 1976; 1979 AC; 1979 ACS 4, Eff. Nov. 25, 1980; 1984 MR 2, Eff. Mar. 2, 1984; 2006 MR 8, Eff. May 15, 2006.

R 408.10839

Source: 1984 AACS.

PART 9. FIXED FIRE EQUIPMENT

GENERAL PROVISIONS

R 408.10901

Source: 1984 AACS.

R 408.10903

Source: 1984 AACS.

R 408.10913

Source: 1984 AACS.

R 408.10919

Source: 1984 AACS.

R 408.10920

Source: 1984 AACS.

AUTOMATIC SPRINKLER SYSTEMS

R 408.10921

Source: 1984 AACS.

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R 408.10925
Source: 1984 AACS.

R 408.10926
Source: 1984 AACS.

R 408.10928
Source: 1984 AACS.

STANDPIPE AND HOSE SYSTEMS

R 408.10931
Source: 1984 AACS.

R 408.10934
Source: 1984 AACS.

R 408.10936
Source: 1997 AACS.

R 408.10937
Source: 1984 AACS.

CARBON DIOXIDE SYSTEMS

R 408.10941
Source: 1984 AACS.

DRY CHEMICAL SYSTEMS

R 408.10951
Source: 1984 AACS.

R 408.10952
Source: 1984 AACS.

FOAM SYSTEMS

R 408.10961
Source: 1984 AACS.

R 408.10963
Source: 1984 AACS.

R 408.10964
Source: 1984 AACS.

R 408.10965
Source: 1984 AACS.

HALOGENATED EXTINGUISHING SYSTEMS

R 408.10971
Source: 1984 AACS.

LOCAL FIRE ALARM SYSTEMS

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R 408.10981
Source: 1984 AACS.

R 408.10983
Source: 1984 AACS.

FIRE DETECTION SYSTEMS

R 408.10991
Source: 1984 AACS.

R 408.10993
Source: 1984 AACS.

R 408.10995
Source: 1984 AACS.

R 408.10999
Source: 1984 AACS.

PART 11. POLISHING, BUFFING, AND ABRADING

R 408.11111
Source: 1983 AACS.

PART 12. WELDING AND CUTTING

R 408.11205
Source: 1988 AACS.

R 408.11211
Source: 1983 AACS.

R 408.11212
Source: 1988 AACS.

R 408.11213
Source: 1988 AACS.

R 408.11214
Source: 1997 AACS.

R 408.11222
Source: 1988 AACS.

R 408.11225
Source: 1988 AACS.

R 408.11232
Source: 1981 AACS.

R 408.11234
Source: 1981 AACS.

R 408.11242
Source: 1981 AACS.

R 408.11281

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Source: 1988 AACS.

R 408.11292

Source: 1981 AACS.

R 408.11294

Source: 1981 AACS.

R 408.11297

Source: 1997 AACS.

R 408.11298

Source: 1981 AACS.

R 408.11299

Source: 1981 AACS.

PART 13. DERRICKS

R 408.11301

Source: 1982 AACS.

PART 14. CONVEYORS

R 408.11436

Source: 1997 AACS.

PART 16. LABELING OF HAZARDOUS SUBSTANCES

R 408.11601

Source: 1997 AACS.

R 408.11602

Source: 1997 AACS.

R 408.11603

Source: 1997 AACS.

R 408.11604

Source: 1997 AACS.

R 408.11605

Source: 1997 AACS.

R 408.11606

Source: 1997 AACS.

R 408.11607

Source: 1997 AACS.

R 408.11608

Source: 1997 AACS.

R 408.11609

Source: 1997 AACS.

R 408.11610

Source: 1997 AACS.

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R 408.11611
Source: 1997 AACS.

R 408.11612
Source: 1997 AACS.

R 408.11613
Source: 1997 AACS.

R 408.11602
Source: 1997 AACS.

R 408.11603
Source: 1997 AACS.

PART 18. OVERHEAD AND GANTRY CRANES

OPERATORS AND OPERATIONS

R 408.11801
Source: 2002 AACS.

R 408.11803
Source: 2002 AACS.

R 408.11804
Source: 2002 AACS.

R 408.11805
Source: 2002 AACS.

R 408.11806
Source: 2002 AACS.

R 408.11807
Source: 2005 AACS.

R 408.11808
Source: 2002 AACS.

CONSTRUCTION, INSTALLATION AND EQUIPMENT

R 408.11821
Source: 2005 AACS.

R 408.11822
Source: 2005 AACS.

R 408.11824
Source: 2002 AACS.

R 408.11825
Source: 2002 AACS.

R 408.11826
Source: 2002 AACS.

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R 408.11827
Source: 2002 AACS.

R 408.11833
Source: 2002 AACS.

R 408.11835
Source: 2002 AACS.

R 408.11837
Source: 2002 AACS.

R 408.11841
Source: 2002 AACS.

R 408.11843
Source: 2002 AACS.

R 408.11844
Source: 2002 AACS.

R 408.11845
Source: 2002 AACS.

R 408.11847
Source: 2002 AACS.

OPERATORS AND OPERATIONS

R 408.11851
Source: 2002 AACS.

R 408.11852
Source: 2002 AACS.

R 408.11853
Source: 2002 AACS.

R 408.11854
Source: 2002 AACS.

R 408.11855
Source: 2005 AACS.

R 408.11857
Source: 2002 AACS.

R 408.11859
Source: 2002 AACS.

R 408.11861
Source: 2002 AACS.

R 408.11865
Source: 2002 AACS.

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R 408.11871
Source: 2002 AACS.

R 408.11872
Source: 2005 AACS.

R 408.11873
Source: 2005 AACS.

R 408.11874
Source: 2002 AACS.

R 408.11875
Source: 2002 AACS.

PART 1. ADMINISTRATION

R 421.15
Source: 2002 AACS.

PART 19. CRAWLER, LOCOMOTIVE, AND TRUCK CRANES

R 408.11913
Source: 1991 AACS.

R 408.11916
Source: 1997 AACS.

R 408.11937
Source: 1989 AACS.

R 408.11943
Source: 1989 AACS.

PART 20. UNDERHUNG CRANES AND MONORAIL SYSTEMS

R 408.12001
Source: 1990 AACS.

R 408.12003
Source: 1990 AACS.

R 408.12004
Source: 1990 AACS.

R 408.12005
Source: 1990 AACS.

CONSTRUCTION, INSTALLATION, AND TESTING

R 408.12011
Source: 1997 AACS.

R 408.12012
Source: 1990 AACS.

R 408.12013
Source: 1990 AACS.

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R 408.12014
Source: 1990 AACS.

R 408.12015
Source: 1990 AACS.

R 408.12016
Source: 1990 AACS.

R 408.12017
Source: 1990 AACS.

R 408.12018
Source: 1990 AACS.

R 408.12019
Source: 1990 AACS.

OPERATORS AND OPERATIONS

R 408.12021
Source: 1990 AACS.

R 408.12022
Source: 1990 AACS.

R 408.12023
Source: 1990 AACS.

R 408.12024
Source: 1990 AACS.

R 408.12025
Source: 1990 AACS.

R 408.12026
Source: 1990 AACS.

R 408.12031
Source: 1990 AACS.

R 408.12032
Source: 1990 AACS.

R 408.12033
Source: 1990 AACS.

R 408.12034
Source: 1990 AACS.

R 408.12035
Source: 1990 AACS.

INSPECTION AND MAINTENANCE

R 408.12041
Source: 1990 AACS.

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R 408.12042
Source: 1990 AACS.

R 408.12043
Source: 1990 AACS.

R 408.12044
Source: 1990 AACS.

R 408.12045
Source: 1990 AACS.

PART 21. POWERED INDUSTRIAL TRUCKS

R 408.12102
Source: 1998-2000 AACS.

R 408.12103
Source: 1998-2000 AACS.

R 408.12104
Source: 1998-2000 AACS.

R 408.12105
Source: 1998-2000 AACS.

R 408.12106
Source: 1998-2000 AACS.

R 408. 12109.
Source: 1998-2000 AACS.

R 408.12110
Source: 1998-2000 AACS.

R 408.12111
Source: 1998-2000 AACS.

R 408.12121
Source: 1998-2000 AACS.

R 408.12130
Source: 1998-2000 AACS.

R 408.12132
Source: 1998-2000 AACS.

R 408.12134
Source: 1998-2000 AACS.

R 408.12135
Source: 1998-2000 AACS.

R 408.12136
Source: 1998-2000 AACS.

R 408.12137
Source: 1998-2000 AACS.

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R 408.12138
Source: 1998-2000 AACS.

R 408.12143
Source: 1983 AACS.

R 408.12151
Source: 1998-2000 AACS.

R 408.12152
Source: 1998-2000 AACS.

R 408.12153
Source: 1983 AACS.

R 408.12154
Source: 1998-2000 AACS.

R 408.12155
Source: 1998-2000 AACS.

R 408.12161
Source: 1980 AACS.

R 408.12162
Source: 1983 AACS.

R 408.12163
Source: 1998-2000 AACS.

R 408.12164
Source: 1998-2000 AACS.

R 408.12171
Source: 1998-2000 AACS.

R 408.12172
Source: 1998-2000 AACS.

R 408.12173
Source: 1998-2000 AACS.

R 408.12176.
Source: 1998-2000 AACS.

R 408.12177
Source: 1983 AACS.

R 408.12179
Source: 1983 AACS.

R 408.12183
Source: 1983 AACS.

R 408.12184
Source: 1983 AACS.

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R 408.12190
Source: 1983 AACS.

PART 23. HYDRAULIC POWER PRESSES

R 408.12336
Source: 1997 AACS.

PART 24. MECHANICAL POWER PRESSES

R 408.12401
Source: 1990 AACS.

R 408.12403
Source: 1990 AACS.

R 408.12404
Source: 1990 AACS.

R 408.12407
Source: 1990 AACS.

R 408.12411
Source: 1993 AACS.

R 408.12412
Source: 1993 AACS.

R 408.12413
Source: 1990 AACS.

R 408.12428
Source: 1990 AACS.

R 408.12442
Source: 1990 AACS.

R 408.12443
Source: 1990 AACS.

SAFEGUARDING THE POINT OF OPERATION

R 408.12461
Source: 1990 AACS.

R 408.12463
Source: 1993 AACS.

DIE DESIGN, CONSTRUCTION, SETTING, AND FEEDING

R 408.12471
Source: 1990 AACS.

R 408.12472
Source: 1990 AACS.

R 408.12473
Source: 1990 AACS.

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R 408.12474
Source: 1990 AACS.

R 408.12477
Source: 1990 AACS.

PART 25. MANLIFTS

R 408.12501
Source: 1997 AACS.

PART 26. METALWORKING MACHINERY

R 408.12605
Source: 1991 AACS.

R 408.12607
Source: 1991 AACS.

R 408.12613
Source: 1997 AACS.

R 408.12614
Source: 1991 AACS.

R 408.12615
Source: 1997 AACS.

R 408.12617
Source: 1997 AACS.

R 408.12620
Source: 1991 AACS.

R 408.12633
Source: 1991 AACS.

R 408.12635
Source: 1991 AACS.

R 408.12636
Source: 1991 AACS.

R 408.12639
Source: 1991 AACS.

R 408.12640
Source: 1991 AACS.

R 408.12641
Source: 1991 AACS.

R 408.12642
Source: 1991 AACS.

R 408.12646
Source: 1991 AACS.

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R 408.12650
Source: 1991 AACS.

PART 27. WOODWORKING MACHINERY

R 408.12715
Source: 1997 AACS.

R 408.12716
Source: 1997 AACS.

R 408.12718
Source: 1981 AACS.

R 408.12727
Source: 1981 AACS.

R 408.12728
Source: 1983 AACS.

R 408.12730
Source: 1983 AACS.

R 408.12751
Source: 1981 AACS.

R 408.12793
Source: 1981 AACS.

R 408.12798
Source: 1983 AACS.

PART 31. PERSONAL PROTECTIVE EQUIPMENT

R 408.13101
Source: 1997 AACS.

R 408.13102
Source: 1997 AACS.

R 408.13103
Source: 1997 AACS.

R 408.13104
Source: 1997 AACS.

R 408.13105
Source: 1997 AACS.

R 408.13106
Source: 1997 AACS.

R 408.13107
Source: 1997 AACS.

R 408.13108
Source: 1997 AACS.

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R 408.13109
Source: 1997 AACS.

R 408.13110
Source: 1997 AACS.

R 408.13111
Source: 1997 AACS.

R 408.13112
Source: 1997 AACS.

R 408.13113
Source: 1997 AACS.

R 408.13114
Source: 1997 AACS.

R 408.13115
Source: 1997 AACS.

R 408.13116
Source: 1997 AACS.

R 408.13117
Source: 1997 AACS.

R 408.13118
Source: 1997 AACS.

R 408.13119
Source: 1997 AACS.

R 408.13120
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R 408.13121
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R 408.13122
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R 408.13123
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R 408.13124
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R 408.13125
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R 408.13126
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R 408.13127
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R 408.13128
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R 408.13129
Source: 1997 AACS.

R 408.13130
Source: 1997 AACS.

R 408.13131
Source: 1997 AACS.

R 408.13132
Source: 1997 AACS.

R 408.13133
Source: 1997 AACS.

R 408.13134
Source: 1997 AACS.

R 408.13135
Source: 1997 AACS.

PART 32. HEAD PROTECTION EQUIPMENT

R 408.13201
Source: 1997 AACS.

R 408.13203
Source: 1997 AACS.

R 408.13205
Source: 1997 AACS.

R 408.13211
Source: 1997 AACS.

R 408.13221
Source: 1997 AACS.

R 408.13222
Source: 1997 AACS.

R 408.13231
Source: 1997 AACS.

R 408.13241
Source: 1997 AACS.

PART 33. PERSONAL PROTECTIVE EQUIPMENT

R 408.13301
Source: 1983 AACS.

R 408.13302
Source: 1983 AACS.

R 408.13303
Source: 1983 AACS.

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R 408.13304
Source: 1983 AACS.

R 408.13305
Source: 1983 AACS.

R 408.13306
Source: 1983 AACS.

R 408.13308
Source: 1995 AACS.

R 408.13309
Source: 1995 AACS.

R 408.13310
Source: 1997 AACS.

FACE AND EYE PROTECTION

R 408.13311
Source: 1997 AACS.

R 408.13312
Source: 1997 AACS.

R 408.13313
Source: 1983 AACS.

R 408.13320
Source: 1983 AACS.

R 408.13321
Source: 1983 AACS.

R 408.13322
Source: 1983 AACS.

R 408.13323
Source: 1983 AACS.

R 408.13324
Source: 1995 AACS.

R 408.13325
Source: 1983 AACS.

R 408.13327
Source: 1983 AACS.

R 408.13329
Source: 1983 AACS.

R 408.13330
Source: 1983 AACS.

R 408.13332
Source: 1983 AACS.

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R 408.13340
Source: 1983 AACS.

R 408.13342
Source: 1983 AACS.

R 408.13343
Source: 1983 AACS.

R 408.13344
Source: 1983 AACS.

R 408.13345
Source: 1983 AACS.

R 408.13346
Source: 1983 AACS.

R 408.13347
Source: 1983 AACS.

EYE PROTECTORS

R 408.13350
Source: 1997 AACS.

R 408.13352
Source: 1983 AACS.

R 408.13353
Source: 1983 AACS.

R 408.13355
Source: 1983 AACS.

R 408.13356
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R 408.13357
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R 408.13359
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R 408.13360
Source: 1983 AACS.

R 408.13362
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R 408.13363
Source: 1983 AACS.

R 408.13364
Source: 1983 AACS.

R 408.13366
Source: 1983 AACS.

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R 408.13367
Source: 1983 AACS.

R 408.13369
Source: 1983 AACS.

HEAD PROTECTION EQUIPMENT

R 408.13370
Source: 1997 AACS.

R 408.13372
Source: 1997 AACS.

R 408.13375
Source: 1995 AACS.

R 408.13376
Source: 1983 AACS.

R 408.13378
Source: 1983 AACS.

FOOT PROTECTION

R 408.13383
Source: 1997 AACS.

R 408.13384
Source: 1983 AACS.

R 408.13385
Source: 1997 AACS.

R 408.13386
Source: 1983 AACS.

ELECTRICAL PROTECTIVE EQUIPMENT

R 408.13387
Source: 1997 AACS.

R 408.13390
Source: 1997 AACS.

HAND PROTECTION

R 408.13392
Source: 1995 AACS.

R 408.13394
Source: 1997 AACS.

R 408.13398
Source: 1983 AACS.

PART 35. FACE AND EYE PROTECTION

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R 408.13501—R 408.13569
Source: 1997 AACS.

R 408.13503
Source: 1997 AACS.

R 408.13504
Source: 1997 AACS.

R 408.13505
Source: 1997 AACS.

R 408.13506
Source: 1997 AACS.

R 408.13508
Source: 1997 AACS.

R 408.13511
Source: 1997 AACS.

R 408.13512
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R 408.13513
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R 408.13514
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R 408.13521
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R 408.13522
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R 408.13523
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R 408.13526
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R 408.13528
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R 408.13530
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R 408.13531
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R 408.13533
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R 408.13541
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R 408.13542
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R 408.13543
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R 408.13544
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R 408.13545
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R 408.13546
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R 408.13547
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R 408.13551
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R 408.13559
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R 408.13560
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R 408.13562
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R 408.13563
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R 408.13564
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R 408.13566
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R 408.13567
Source: 1997 AACS.

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R 408.13569
Source: 1997 AACS.

PART 37. ACCIDENT PREVENTION SIGNS AND TAGS

TAGS

R 408.13703
Source: 1983 AACS.

R 408.13707
Source: 1983 AACS.

R 408.13708
Source: 1983 AACS.

R 408.13711
Source: 1983 AACS.

R 408.13713
Source: 1983 AACS.

R 408.13714
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R 408.13715
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R 408.13716
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R 408.13717
Source: 1997 AACS.

R 408.13718
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R 408.13721
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R 408.13722
Source: 1997 AACS.

R 408.13731
Source: 1988 AACS.

R 408.13732
Source: 1983 AACS.

R 408.13733
Source: 1983 AACS.

R 408.13734
Source: 1983 AACS.

R 408.13735
Source: 1983 AACS.

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R 408.13736
Source: 1997 AACS.

PART 38. HAND AND PORTABLE POWERED TOOLS

R 408.13811
Source: 1993 AACS.

R 408.13812
Source: 1993 AACS.

R 408.13821
Source: 1983 AACS.

R 408.13822
Source: 1983 AACS.

R 408.13823
Source: 1983 AACS.

R 408.13832
Source: 1997 AACS.

R 408.13847
Source: 1983 AACS.

R 408.13861
Source: 1983 AACS.

R 408.13865
Source: 1983 AACS.

R 408.13871
Source: 1983 AACS.

R 408.13872
Source: 1983 AACS.

R 408.13873
Source: 1983 AACS.

R 408.13874
Source: 1983 AACS.

R 408.13875
Source: 1983 AACS.

R 408.13876
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R 408.13881
Source: 1983 AACS.

R 408.13882
Source: 1993 AACS.

PART 39. DESIGN SAFETY STANDARDS FOR ELECTRICAL SYSTEMS

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R 408.13901
Source: 1994 AACS.

R 408.13902
Source: 1994 AACS.

PART 40. SAFETY-RELATED WORK PRACTICES

R 408.14001
Source: 1992 AACS.

R 408.14002
Source: 1992 AACS.

R 408.14003
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R 408.14004
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R 408.14005
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R 408.14006
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R 408.14007
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R 408.14008
Source: 1992 AACS.

R 408.14009
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PART 42. FORGING

R 408.14204
Source: 1989 AACS.

R 408.14221
Source: 1997 AACS.

R 408.14225
Source: 1997 AACS.

R 408.14232
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PART 44. FOUNDRIES

R 408.14421
Source: 1988 AACS.

R 408.14423
Source: 1997 AACS.

R 408.14425
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R 408.14426
Source: 1997 AACS.

R 408.14427
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R 408.14431
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R 408.14433
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R 408.14436
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R 408.14438
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R 408.14447
Source: 1997 AACS.

R 408.14451
Source: 1988 AACS.

R 408.14461
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R 408.14463
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R 408.14465
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R 408.14466
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R 408.14471
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R 408.14474
Source: 1997 AACS.

R 408.14477
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R 408.14478
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R 408.14479
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R 408.14481
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R 408.14483
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R 408.14485
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R 408.14486
Source: 1997 AACS.

R 408.14488
Source: 1988 AACS.

R 408.14492
Source: 1988 AACS.

R 408.14493
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R 408.14494
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R 408.14496
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PART 45. DIE CASTING

R 408.14511
Source: 1983 AACS.

R 408.14515
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R 408.14517
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EQUIPMENT INSTALLATION AND MAINTENANCE

R 408.14521
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DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

BUREAU OF SAFETY AND REGULATION

GENERAL INDUSTRY SAFETY STANDARDS COMMISSION

PART 49. SLINGS

R 408.14913
Source: 1998-2000 AACS.

R 408.14923
Source: 1998-2000 AACS.

PART 50. TELECOMMUNICATIONS

R 408.15001
Source: 2005 AACS.

R 408.15002
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R 408.15003
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R 408.15004
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PART 51. LOGGING

GENERAL PROVISIONS

R 408.15101
Source: 1996 AACS.

R 408.15105
Source: 1996 AACS.

R 408.15106
Source: 1996 AACS.

R 408.15107
Source: 1996 AACS.

R 408.15108
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EMPLOYER-EMPLOYEE RESPONSIBILITIES

R 408.15112
Source: 1989 AACS.

R 408.15113
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R 408.15114
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R 408.15116
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R 408.15117
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R 408.15118
Source: 1996 AACS.

R 408.15119
Source: 1996 AACS.

PERSONAL PROTECTIVE EQUIPMENT

R 408.15120
Source: 1996 AACS.

R 408.15122
Source: 1996 AACS.

R 408.15123
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Source: 1996 AACS.

R 408.15125

Source: 1996 AACS.

R 408.15127

Source: 1996 AACS.

PROTECTIVE EQUIPMENT

HAND-HELD CHAIN SAWS

R 408.15130

Source: 1996 AACS.

R 408.15131

Source: 1996 AACS.

R 408.15132

Source: 1997 AACS.

R 408.15133

Source: 1997 AACS.

R 408.15134

Source: 1997 AACS.

R 408.15135

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R 408.15136

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OTHER SAWS

R 408.15137

Source: 1989 AACS.

R 408.15138

Source: 1989 AACS.

LOGGING EQUIPMENT

R 408.15142

Source: 1996 AACS.

R 408.15143

Source: 1989 AACS.

R 408.15144

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R 408.15145

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R 408.15146

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R 408.15147
Source: 1997 AACS.

R 408.15148
Source: 1996 AACS.

R 408.15149
Source: 1996 AACS.

R 408.15150
Source: 1996 AACS.

FELLING, LIMBING, BUCKING, AND SKIDDING

R 408.15151
Source: 1996 AACS.

R 408.15153
Source: 1989 AACS.

R 408.15154
Source: 1989 AACS.

R 408.15155
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R 408.15156
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R 408.15157
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R 408.15158
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R 408.15159
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LOADING AND DECKING

R 408.15161
Source: 1997 AACS.

R 408.15162
Source: 1997 AACS.

R 408.15163
Source: 1997 AACS.

R 408.15164
Source: 1997 AACS.

TRUCK EQUIPMENT AND OPERATION

R 408.15171
Source: 1997 AACS.

R 408.15173

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Source: 1997 AACS.

R 408.15174

Source: 1997 AACS.

R 408.15175

Source: 1996 AACS.

R 408.15180

Source: 1989 AACS.

R 408.15181

Source: 1989 AACS.

PART 52. SAWMILLS

R 408.15202

Source: 1989 AACS.

R 408.15203

Source: 1989 AACS.

R 408.15204

Source: 1989 AACS.

R 408.15205

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R 408.15207

Source: 1989 AACS.

R 408.15211

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R 408.15212

Source: 1989 AACS.

R 408.15222

Source: 1989 AACS.

R 408.15225

Source: 1989 AACS.

R 408.15226

Source: 1989 AACS.

SPECIFIC EQUIPMENT

R 408.15231

Source: 1989 AACS.

R 408.15232

Source: 1989 AACS.

R 408.15233

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R 408.15234

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R 408.15241
Source: 1989 AACS.

R 408.15242
Source: 1989 AACS.

R 408.15246
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R 408.15247
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R 408.15262
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LOG AND MATERIAL HANDLING AND STORAGE

R 408.15273
Source: 1989 AACS.

R 408.15274
Source: 1983 AACS.

R 408.15275
Source: 1997 AACS.

R 408.15277
Source: 1997 AACS.

PART 53. TREE TRIMMING AND REMOVAL

R 408.15313
Source: 1983 AACS.

PART 54. POWERED GROUNDSKEEPING EQUIPMENT

R 408.15411
Source: 1983 AACS.

R 408.15413
Source: 1983 AACS.

R 408.15415
Source: 1983 AACS.

R 408.15416
Source: 1983 AACS.

R 408.15421
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R 408.15422
Source: 1983 AACS.

R 408.15423
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R 408.15424
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R 408.15425
Source: 1997 AACS.

R 408.15429
Source: 1983 AACS.

R 408.15431
Source: 1997 AACS.

R 408.15452
Source: 1983 AACS.

R 408.15461
Source: 1983 AACS.

PART 55. EXPLOSIVES

R 408.15501
Source: 1998-2000 AACS.

PART 56. STORAGE AND HANDLING OF LIQUEFIED PETROLEUM GASES

R 408.15601
Source: 1998-2000 AACS.

PART 57. OIL AND GAS DRILLING AND SERVICING OPERATIONS

R 408.15701
Source: 1989 AACS.

R 408.15703
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R 408.15704
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R 408.15705
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R 408.15706
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R 408.15707
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R 408.15713
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R 408.15718

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R 408.15721

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R 408.15723

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R 408.15725

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R 408.15726

Source: 1989 AACS.

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R 408.15731

Source: 1989 AACS.

R 408.15732

Source: 1989 AACS.

R 408.15734

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R 408.15736

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R 408.15737

Source: 1994 AACS.

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R 408.15741

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R 408.15743

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R 408.15744

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R 408.15745

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R 408.15753

Source: 1989 AACS.

R 408.15754

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Source: 1989 AACS.

R 408.15755

Source: 1997 AACS.

R 408.15756

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R 408.15757

Source: 1989 AACS.

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R 408.15761

Source: 1989 AACS.

R 408.15762

Source: 1989 AACS.

R 408.15763

Source: 1997 AACS.

R 408.15764

Source: 1989 AACS.

R 408.15765

Source: 1997 AACS.

R 408.15766

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R 408.15767

Source: 1997 AACS.

R 408.15768

Source: 1989 AACS.

R 408.15769

Source: 1997 AACS.

R 408.15771

Source: 1989 AACS.

PART 58. VEHICLE-MOUNTED ELEVATING AND ROTATING WORK PLATFORMS

R 408.15803

Source: 1988 AACS.

R 408.15830

Source: 1988 AACS.

R 408.15831

Source: 1988 AACS.

R 408.15832

Source: 1988 AACS.

PART 59. HELICOPTERS

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R 408.15915
Source: 1983 AACS.

PART 62. PLASTIC MOLDING

R 408.16201
Source: 1992 AACS.

R 408.16204
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R 408.16206
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R 408.16222
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R 408.16223
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R 408.16225
Source: 1992 AACS.

R 408.16226
Source: 1992 AACS.

R 408.16227
Source: 1998-2000 AACS.

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R 408.16231
Source: 1992 AACS.

R 408.16232
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R 408.16234
Source: 1998-2000 AACS.

R 408.16235
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R 408.16236
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R 408.16242
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R 408.16243
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R 408.16245
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R 408.16251
Source: 1992 AACS.

PART 63. PULP, PAPER, AND PAPERBOARD MILLS

R 408.16305
Source: 1993 AACS.

R 408.16311
Source: 1993 AACS.

R 408.16313
Source: 1993 AACS.

R 408.16321
Source: 1993 AACS.

R 408.16328
Source: 1993 AACS.

R 408.16333
Source: 1983 AACS.

R 408.16351
Source: 1993 AACS.

R 408.16378
Source: 1981 AACS.

PART 69. COMPRESSED AIR AND GASES, EQUIPMENT, AND SYSTEMS

R 408.16901
Source: 1998-2000 AACS.

R 408.16902
Source: 1998-2000 AACS.

PART 71. LAUNDRY AND DRY CLEANING MACHINERY AND OPERATIONS

R 408.17111
Source: 1983 AACS.

R 408.17122
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R 408.17123
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R 408.17124
Source: 1997 AACS.

R 408.17125
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R 408.17143
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R 408.17147

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Source: 1997 AACS.

PART 72. AUTOMOTIVE SERVICE OPERATIONS

R 408.17201

Source: 1990 AACS.

R 408.17206

Source: 1990 AACS.

R 408.17235

Source: 1993 AACS.

R 408.17236

Source: 1990 AACS.

R 408.17237

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R 408.17253

Source: 1990 AACS.

PART 73. FIRE BRIGADES

R 408.17301

Source: 1984 AACS.

R 408.17303

Source: 1998-2000 AACS.

R 408.17305

Source: 1984 AACS.

R 408.17307

Source: 1984 AACS.

R 408.17309

Source: 1984 AACS.

R 408.17310

Source: 1998-2000 AACS.

R 408.17312

Source: 1984 AACS.

R 408.17314

Source: 1998-2000 AACS.

R 408.17315

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R 408.17316.

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R 408.17318

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R 408.17320
Source: 1998-2000 AACS.

R 408.17322
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PART 74. FIRE FIGHTING

R 408.17401
Source: 2001 AACS.

R 408.17402
Source: 1988 AACS.

R 408.17403
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R 408.17404
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R 408.17405
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R 408.17411
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R 408.17415
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R 408.17421
Source: 2001 AACS.

R 408.17422
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R 408.17423
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R 408.17425
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R 408.17426
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R 408.17431
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R 408.17433
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R 408.17440
Source: 2001 AACS.

R 408.17442
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R 408.17451
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R 408.17461
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R 408.17462
Source: 1997 AACS.

R 408.17463
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R 408.17464
Source: 2001 AACS.

PART 75. FLAMMABLE AND COMBUSTIBLE LIQUIDS

R 408.17501
Source: 1982 AACS.

PART 76. SPRAY FINISHING AND DIP TANKS

R 408.17601
Source: 1989 AACS.

R 408.17602
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R 408.17603
Source: 1989 AACS.

R 408.17605
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R 408.17607
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R 408.17609
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R 408.17610
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R 408.17620
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R 408.17633
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R 408.17636
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R 408.17637
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R 408.17640
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R 408.17641
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ELECTRICAL AND OTHER SOURCES OF IGNITION

R 408.17650
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R 408.17651
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R 408.17696
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R 408.17699
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PART 77. GRAIN HANDLING FACILITIES

R 408.17701
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R 408.17702
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R 408.17703
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R 408.17719
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PART 78. ANHYDROUS AMMONIA

R 408.17801
Source: 1998-2000 AACS.

PART 79. DIVING OPERATIONS

R 408.17903
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R 408.17904
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R 408.17905
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R 408.17912
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R 408.17921
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R 408.17951
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R 408.17953
Source: 1993 AACS.

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R 408.17958
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R 408.17961
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PART 81. BAKING OPERATIONS

R 408.18111
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R 408.18114
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R 408.18116
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R 408.18117
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R 408.18121
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R 408.18122
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R 408.18123
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R 408.18124
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R 408.18126
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R 408.18127
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R 408.18130
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R 408.18134
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R 408.18142
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R 408.18144
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R 408.18153
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R 408.18158
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R 408.18171
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R 408.18181
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PART 85. THE CONTROL OF HAZARDOUS ENERGY SOURCES

R 408.18501
Source: 1993 AACS.

R 408.18502
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R 408.18599
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PART 86. ELECTRIC POWER GENERATION, TRANSMISSION, AND DISTRIBUTION

R 408.18601
Source: 1995 AACS.

R 408.18602
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PART 90. CONFINED SPACE ENTRY

R 408.19001
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R 408.19002
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PART 91. PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS

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R 408.19101
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R 408.19102
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PART 92. HAZARD COMMUNICATION

R 408.19201
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R 408.19202
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PART 93. AIR RECEIVERS

R 408.19301
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COMPLIANCE AND APPEALS

R 408.19901
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R 408.19902
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R 408.19903
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R 408.19904
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R 408.19905
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R 408.19906
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R 408.19907
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R 408.19908
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R 408.19910

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R 408.20001

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R 408.20002

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R 408.20004

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R 408.20005

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PART 2. BUREAU OF ADMINISTRATIVE SERVICES

R 408.20011

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R 408.20012

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R 408.20013

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R 408.20015

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PART 3. BUREAU OF SAFETY AND REGULATION

R 408.20021—R 408.20031

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PART 4. EMPLOYMENT RELATIONS COMMISSION

R 408.20041

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R 408.20043
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R 408.20051
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R 408.20052
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R 408.20053
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PART 6. EMPLOYMENT SECURITY AGENCIES

R 408.20061
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R 408.20062
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R 408.20063
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R 408.20064
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R 408.20065
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PART 7. OTHER BOARDS AND COMMISSIONS

R 408.20071
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R 408.20072
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R 408.20073
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R 408.20080

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R 408.20081

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**PART 11. RECORDING AND REPORTING OF OCCUPATIONAL
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R 408.22101

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R 408.22102

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R 408.22103

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R 408.22104

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R 408.22105

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R 408.22112
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R 408.22113
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R 408.22114
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R 408.22119
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R 408.22120
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R 408.22162

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PART 12. VARIANCES

R 408.22203

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R 408.22213
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R 408.22221
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R 408.22224
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R 408.22227
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R 408.22234
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R 408.22240
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HEARINGS OFFICE
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R 408.22901
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R 408.22902
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R 408.22951
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R 408.22952
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R 408.22960
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R 408.30001
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R 408.30004
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R 408.30007
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R 408.30010
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R 408.30013
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R 408.30016
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CONSTRUCTION CODE

PART 1. ADMINISTRATION AND ENFORCEMENT

R 408.30111
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R 408.30114
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PART 3. APPEAL BOARDS AND HEARINGS

R 408.30316
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PART 4. BUILDING CODE

R 408.30401
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R 408.30402
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408.30403
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R 408.30403a
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R 408.30406
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R 408.30407
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R 408.30408
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R 408.30448b

Source: 1997 AACS.

R 408.30448c

Source: 1997 AACS.

R 408.30448d

Source: 2004 AACS.

R 408.30449

Source: 2004 AACS.

R 408.30449a

Source: 1997 AACS.

R 408.30451e

Source: 1998-2000 AACS.

R 408.30451a

Source: 1997 AACS.

R 408.30451b

Source: 1997 AACS.

R 408.30451c

Source: 2001 AACS.

R 408.30451d

Source: 1997 AACS.

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- R 408.30451e**
Source: 1995 AACS.
- R 408.30452**
Source: 1997 AACS.
- R 408.30453**
Source: 2001 AACS.
- R 408.30454**
Source: 1998-2000 AACS.
- R 408.30455**
Source: 1998-2000 AACS.
- R 408.30456**
Source: 1998-2000 AACS.
- R 408.30457**
Source: 2001 AACS.
- R 408.30458**
Source: 2004 AACS.
- R 408.30459**
Source: 1997 AACS.
- R 408.30460**
Source: 1997 AACS.
- R 408.30461**
Source: 2004 AACS.
- R 408.30475**
Source: 2004 AACS.
- R 408.30476**
Source: 2001 AACS.
- R 408.30495**
Source: 2001 AACS.
- R 408.30495a**
Source: 2004 AACS.
- R 408.30495b**
Source: 1997 AACS.
- R 408.30495c**
Source: 1997 AACS.
- R 408.30495d**
Source: 1997 AACS.
- R 408.30495e**
Source: 1997 AACS.
- R 408.30495f**

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Source: 1997 AACS.

R 408.30495g
Source: 1997 AACS.

R 408.30495h
Source: 1997 AACS.

R 408.30495i
Source: 1997 AACS.

R 408.30495j
Source: 1997 AACS.

R 408.30495k
Source: 1997 AACS.

R 408.30497
Source: 2001 AACS.

R 408.30499
Source: 2004 AACS.

R 408.30499a
Source: 2001 AACS.

RESIDENTIAL CODE

R 408.30501
Source: 2001 AACS.

R 408.30502
Source: 2001 AACS.

R 408.30503
Source: 2004 AACS.

R 408.30504
Source: 2001 AACS.

R 408.30505
Source: 2004 AACS.

R 408.30506
Source: 2004 AACS.

R 408.30507
Source: 2001 AACS.

R 408.30508
Source: 2004 AACS.

R 408.30509
Source: 2001 AACS.

R 408.30510
Source: 2004 AACS.

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R 408.30511
Source: 2004 AACCS.

R 408.30512
Source: 2004 AACCS.

R 408.30513
Source: 2004 AACCS.

R 408.30514
Source: 2004 AACCS.

R 408.30515
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R 408.30516
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R 408.30517
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R 408.30518
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R 408.30519
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R 408.30520
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R 408.30521
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R 408.30522
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R 408.30523
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R 408.30524
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R 408.30525
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R 408.30526
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R 408.30527
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R 408.30528
Source: 2001 AACCS.

R 408.30529
Source: 2001 AACCS.

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R 408.30530
Source: 2001 AACCS.

R 408.30531
Source: 2004 AACCS.

R 408.30532
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R 408.30533
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R 408.30534
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R 408.30535
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R 408.30536
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R 408.30537
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R 408.30538
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R 408.30539
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R 408.30540
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R 408.30541
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R 408.30542
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R 408.30543
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R 408.30544
Source: 2004 AACCS.

R 408.30545
Source: 2004 AACCS.

R 408.30546
Source: 2005 AACCS.

R 408.30547
Source: 2004 AACCS.

REHABILITATION CODE

R 408.30551

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Source: 2003 AACS.

R 408.30552

Source: 2002 AACS.

R 408.30553

Source: 2002 AACS.

R 408.30554

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R 408.30555

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R 408.30556

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R 408.30557

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R 408.30558

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R 408.30559

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R 408.30560

Source: 2003 AACS.

R 408.30561

Source: 2002 AACS.

R 408.30562

Source: 2002 AACS.

R 408.30563

Source: 2003 AACS.

R 408.30564

Source: 2002 AACS.

R 408.30565

Source: 2002 AACS.

R 408.30566

Source: 2005 AACS.

R 408.30567

Source: 2003 AACS.

R 408.30568

Source: 2002 AACS.

R 408.30569

Source: 2002 AACS.

R 408.30570

Source: 2002 AACS.

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R 408.30571
Source: 2002 AACS.

R 408.30572
Source: 2002 AACS.

R 408.30573
Source: 2002 AACS.

R 408.30574
Source: 2002 AACS.

R 408.30575
Source: 2002 AACS.

R 408.30576
Source: 2003 AACS.

R 408.30577
Source: 2002 AACS.

PART 6. MOBILE HOME CODE

R 408.30601
Source: 1998-2000 AACS.

R 408.30611
Source: 1998-2000 AACS.

R 408.30616
Source: 1998-2000 AACS.

R 408.30621
Source: 1998-2000 AACS.

R 408.30626
Source: 1998-2000 AACS.

R 408.30631
Source: 1998-2000 AACS.

R 408.30636
Source: 1998-2000 AACS.

PART 7. PLUMBING CODE

AMENDMENTS AND ADDITIONS TO BASIC PLUMBING CODE

R 408.30701
Source: 2003 AACS.

AMENDMENTS AND ADDITIONS TO BASIC PLUMBING CODE

R 408.30711
Source: 2001 AACS.

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- R 408.30712**
Source: 2001 AACS.
- R 408.30713**
Source: 2001 AACS.
- R 408.30714**
Source: 2001 AACS.
- R 408.30715**
Source: 2003 AACS.
- R 408.30716**
Source: 2003 AACS.
- R 408.30717**
Source: 2003 AACS.
- R 408.30718**
Source: 2003 AACS.
- R 408.30719**
Source: 2003 AACS.
- R 408.30720**
Source: 2003 AACS.
- R 408.30721**
Source: 2003 AACS.
- R 408.30722**
Source: 2003 AACS.
- R 408.30723**
Source: 2003 AACS.
- R 408.30724**
Source: 1998-2000 AACS.
- R 408.30725**
Source: 1998-2000 AACS.
- R 408.30725a**
Source: 1998-2000 AACS.
- R 408.30725b**
Source: 1998-2000 AACS.
- R 408.30725c**
Source: 1998-2000 AACS.
- R 408.30726**
Source: 1998-2000 AACS.
- R 408.30728**
Source: 2001 AACS.
- R 408.30730**

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Source: 2003 AACS.

R 408.30731

Source: 1997 AACS.

R 408.30732

Source: 1997 AACS.

R 408.30733

Source: 1997 AACS.

R 408.30734

Source: 1998-2000 AACS.

R 408.30735

Source: 2001 AACS.

R 408.30736

Source: 1997 AACS.

R 408.30737

Source: 1998-2000 AACS.

R 408.30738

Source: 1997 AACS.

R 408.30738a

Source: 1998-2000 AACS.

R 408.30739

Source: 1997 AACS.

R 408.30740

Source: 1998-2000 AACS.

R 408.30740a

Source: 2003 AACS.

R 408.30740b

Source: 1998-2000 AACS.

R 408.30740c

Source: 2001 AACS.

R 408.30741

Source: 1997 AACS.

R 408.30741a

Source: 1997 AACS.

R 408.30741b

Source: 1997 AACS.

R 408.30741c

Source: 2003 AACS.

R 408.30742,

Source: 1997 AACS.

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- R 408.30743**
Source: 1997 AACS.
- R 408.30743a**
Source: 1998-2000 AACS.
- R 408.30743b**
Source: 1997 AACS.
- R 408.30743c**
Source: 1998-2000 AACS.
- R 408.30744**
Source: 1997 AACS.
- R 408.30744a**
Source: 1998-2000 AACS.
- R 408.30744b**
Source: 1998-2000 AACS.
- R 408.30744c**
Source: 1998-2000 AACS.
- R 408.30744d**
Source: 1998-2000 AACS.
- R 408.30744e**
Source: 2003 AACS.
- R 408.30744f**
Source: 1998-2000 AACS.
- R 408.30745**
Source: 1997 AACS.
- R 408.30745a**
Source: 1997 AACS.
- R 408.30745b**
Source: 1997 AACS.
- R 408.30746**
Source: 1998-2000 AACS.
- R 408.30746a**
Source: 1997 AACS.
- R 408.30746b**
Source: 1997 AACS.
- R 408.30747**
Source: 1997 AACS.
- R 408.30747a**
Source: 1998-2000 AACS.
- R 408.30747b**

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Source: 1998-2000 AACS.

R 408.30747c

Source: 1997 AACS.

R 408.30748

Source: 1998-2000 AACS.

R 408.30748a

Source: 1997 AACS.

R 408.30748b

Source: 1997 AACS.

R 408.30748c

Source: 1997 AACS.

R 408.30749

Source: 2001 AACS.

R 408.30749a

Source: 1998-2000 AACS.

R 408.30750

Source: 1998-2000 AACS.

R 408.30751

Source: 1997 AACS.

R 408.30751a

Source: 1998-2000 AACS.

R 408.30752

Source: 1997 AACS.

R 408.30752a

Source: 1997 AACS.

R 408.30753a

Source: 1998-2000 AACS.

R 408.30754

Source: 1997 AACS.

R 408.30754a

Source: 1997 AACS.

R 408.30754b

Source: 2001 AACS.

R 408.30754c

Source: 1998-2000 AACS.

R 408.30755

Source: 1997 AACS.

R 408.30756

Source: 1998-2000 AACS.

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R 408.30756a
Source: 1998-2000 AACS.

R 408.30757
Source: 2001 AACS.

R 408.30758
Source: 2001 AACS.

R 408.30758a
Source: 1997 AACS.

R 408.30758b
Source: 1997 AACS.

R 408.30758c
Source: 1997 AACS.

R 408.30758d
Source: 1997 AACS.

R 408.30759
Source: 1998-2000 AACS.

R 408.30759a
Source: 2001 AACS.

R 408.30759b
Source: 2001 AACS.

R 408.30760
Source: 2001 AACS.

R 408.30761
Source: 1998-2000 AACS.

R 408.30761a
Source: 1998-2000 AACS.

R 408.30761b
Source: 1998-2000 AACS.

R 408.30761c
Source: 2001 AACS.

R 408.30762
Source: 1998-2000 AACS.

R 408.30763
Source: 1998-2000 AACS.

R 408.30763a
Source: 1998-2000 AACS.

R 408.30763b
Source: 1998-2000 AACS.

R 408.30763c

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Source: 1998-2000 AACS.

R 408.30764

Source: 1997 AACS.

R 408.30765

Source: 1997 AACS.

R 408.30765a

Source: 1997 AACS.

R 408.30765b

Source: 1997 AACS.

R 408.30765c

Source: 1997 AACS.

R 408.30765d

Source: 1997 AACS.

R 408.30765e

Source: 1997 AACS.

R 408.30766

Source: 1997 AACS.

R 408.30766a

Source: 1997 AACS.

R 408.30766b

Source: 1997 AACS.

R 408.30766c

Source: 1997 AACS.

R 408.30766d

Source: 1997 AACS.

R 408.30767

Source: 1997 AACS.

R 408.30767a

Source: 1997 AACS.

R 408.30768

Source: 1997 AACS.

R 408.30768a

Source: 1997 AACS.

R 408.30768b

Source: 1997 AACS.

R 408.30769

Source: 1997 AACS.

R 408.30769a

Source: 1997 AACS.

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R 408.30769b
Source: 1997 AACS.

R 408.30769c
Source: 1997 AACS.

R 408.30770
Source: 1997 AACS.

R 408.30770a
Source: 1997 AACS.

R 408.30770b
Source: 1997 AACS.

R 408.30771
Source: 1997 AACS.

R 408.30771a
Source: 1997 AACS.

R 408.30771b
Source: 1997 AACS.

R 408.30771c
Source: 1997 AACS.

R 408.30771d
Source: 1997 AACS.

R 408.30771e
Source: 1997 AACS.

R 408.30772
Source: 1997 AACS.

R 408.30772a
Source: 1997 AACS.

R 408.30772b
Source: 1997 AACS.

R 408.30772c
Source: 1997 AACS.

R 408.30772d
Source: 1997 AACS.

R 408.30772e
Source: 1997 AACS.

R 408.30773
Source: 1997 AACS.

R 408.30773a
Source: 1997 AACS.

R 408.30773b
Source: 1997 AACS.

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- R 408.30773c**
Source: 1997 AACS.
- R 408.30773d**
Source: 1997 AACS.
- R 408.30774**
Source: 1997 AACS.
- R 408.30774a**
Source: 1997 AACS.
- R 408.30774b**
Source: 1997 AACS.
- R 408.30774c**
Source: 1997 AACS.
- R 408.30774d**
Source: 1997 AACS.
- R 408.30774e**
Source: 1997 AACS.
- R 408.30774f**
Source: 1997 AACS.
- R 408.30775**
Source: 1997 AACS.
- R 408.30775a**
Source: 1997 AACS.
- R 408.30775b**
Source: 1997 AACS.
- R 408.30775c**
Source: 1997 AACS.
- R 408.30775d**
Source: 1997 AACS.
- R 408.30776**
Source: 1997 AACS.
- R 408.30776a**
Source: 1997 AACS.
- R 408.30776b**
Source: 1997 AACS.
- R 408.30776c**
Source: 1997 AACS.
- R 408.30777**
Source: 2003 AACS.
- R 408.30777a**
Source: 1998-2000 AACS.

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- R 408.30777b**
Source: 1997 AACS.
- R 408.30777c**
Source: 1998-2000 AACS.
- R 408.30777d**
Source: 1998-2000 AACS.
- R 408.30777e**
Source: 1998-2000 AACS.
- R 408.30778**
Source: 1998-2000 AACS.
- R 408.30778a**
Source: 1998-2000 AACS.
- R 408.30778b**
Source: 1998-2000 AACS.
- R 408.30778c**
Source: 1998-2000 AACS.
- R 408.30779**
Source: 1998-2000 AACS.
- R 408.30779a**
Source: 1998-2000 AACS.
- R 408.30779b**
Source: 1998-2000 AACS.
- R 408.30780**
Source: 1998-2000 AACS.
- R 408.30780a**
Source: 1998-2000 AACS.
- R 408.30780b**
Source: 1998-2000 AACS.
- R 408.30780c**
Source: 1997 AACS.
- R 408.30781**
Source: 1997 AACS.
- R 408.30782**
Source: 1997 AACS.
- R 408.30783**
Source: 1997 AACS.
- R 408.30784**
Source: 1997 AACS.
- R 408.30785**
Source: 2001 AACS.

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R 408.30786
Source: 2003 AACS.

R 408.30788
Source: 1998-2000 AACS.

R 408.30788a
Source: 1997 AACS.

R 408.30791
Source: 2003 AACS.

R 408.30792
Source: 2003 AACS.

R 408.30793
Source: 2001 AACS.

R 408.30795
Source: 2001 AACS.

R 408.30795a
Source: 2001 AACS.

R 408.30796
Source: 2001 AACS.

PART 8. ELECTRICAL CODE

R 408.30801
Source: 2004 AACS.

R 408.30806
Source: 1997 AACS.

R 408.30807
Source: 2004 AACS.

R 408.30808
Source: 2004 AACS.

R 408.30809
Source: 2004 AACS.

R 408.30810
Source: 2004 AACS.

R 408.30811
Source: 2004 AACS.

R 408.30812
Source: 2004 AACS.

R 408.30813
Source: 2004 AACS.

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- R 408.30814**
Source: 2004 AACCS.
- R 408.30815**
Source: 2004 AACCS.
- R 408.30816**
Source: 2004 AACCS.
- R 408.30817**
Source: 2004 AACCS.
- R 408.30818**
Source: 2004 AACCS.
- R 408.30819**
Source: 2004 AACCS.
- R 408.30820**
Source: 2004 AACCS.
- R 408.30821**
Source: 1997 AACCS.
- R 408.30822**
Source: 2004 AACCS.
- R 408.30823**
Source: 2004 AACCS.
- R 408.30824**
Source: 2004 AACCS.
- R 408.30825**
Source: 1998-2000 AACCS.
- R408.30826**
- R 408.30827**
Source: 2004 AACCS.
- R 408.30828**
Source: 2004 AACCS.
- R 408.30829**
Source: 2004 AACCS.
- R 408.30830**
Source: 1998-2000 AACCS.
- R 408.30831**
Source: 2004 AACCS.
- R 408.30832**
Source: 1997 AACCS.

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R 408.30835
Source: 2004 AACCS.

R 408.30837
Source: 2004 AACCS.

R 408.30838
Source: 1997 AACCS.

R 408.30839
Source: 1998-2000 AACCS.

R 408.30843
Source: 2004 AACCS.

R 408.30865
Source: 1997 AACCS.

R 408.30866
Source: 2004 AACCS.

R 408.30867
Source: 1998-2000 AACCS.

R 408.30868
Source: 2004 AACCS.

R 408.30869
Source: 2004 AACCS.

R 408.30870
Source: 1997 AACCS.

R 408.30871
Source: 1995 AACCS.

R 408.30872
Source: 1997 AACCS.

R 408.30873
Source: 1998-2000 AACCS.

R 408.30880
Source: 1997 AACCS.

PART 9. MECHANICAL CODE

R 408.30901
Source: 1997 AACCS.

PART 9A. MECHANICAL CODE

R 408.30901a
Source: 2003 AACCS.

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AMENDMENTS AND ADDITIONS TO BASIC MECHANICAL CODE

- R 408.30902a**
Source: 2003 AACS.
- R 408.30903a**
Source: 2001 AACS.
- R 408.30904a**
Source: 2001 AACS.
- R 408.30905a**
Source: 2001 AACS.
- R 408.30906a**
Source: 2003 AACS.
- R 408.30907a**
Source: 2003 AACS.
- R 408.30908a**
Source: 2003 AACS.
- R 408.30909a**
Source: 2003 AACS.
- R 408.30910a**
Source: 2003 AACS.
- R 408.30912a**
Source: 1997 AACS.
- R 408.30915a**
Source: 2001 AACS.
- R 408.30916a**
Source: 2001 AACS.
- R 408.30917a**
Source: 1998-2000 AACS.
- R 408.30918a**
Source: 2003 AACS.
- R 408.30919a**
Source: 1997 AACS.
- R 408.30920a**
Source: 1998-2000 AACS.
- R 408.30921a**
Source: 1997 AACS.
- R 408.30922a**
Source: 1998-2000 AACS.
- R 408.30923a**
Source: 2003 AACS.

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- R 408.30924a**
Source: 2001 AACS.
- R 408.30925a**
Source: 1998-2000 AACS.
- R 408.30926a**
Source: 1998-2000 AACS.
- R 408.30927a**
Source: 1995 AACS.
- R 408.30928a**
Source: 2001 AACS.
- R 408.30929a**
Source: 1998-2000 AACS.
- R 408.30930a**
Source: 1998-2000 AACS.
- R 408.30931a**
Source: 1998-2000 AACS.
- R 408.30932a**
Source: 1998-2000 AACS.
- R 408.30933a**
Source: 1998-2000 AACS.
- R 408.30935a**
Source: 2003 AACS.
- R 408.30936a**
Source: 2003 AACS.
- R 408.30937a**
Source: 1998-2000 AACS.
- R 408.30938a**
Source: 1997 AACS.
- R 408.30940a**
Source: 2001 AACS.
- R 408.30941a**
Source: 1998-2000 AACS.
- R 408.30942a**
Source: 1997 AACS.
- R 408.30943a**
Source: 1997 AACS.
- R 408.30944a**
Source: 1998-2000 AACS.

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- R 408.30945a**
Source: 2003 AACS.
- R 408.30946a**
Source: 1998-2000 AACS.
- R 408.30948a**
Source: 1998-2000 AACS.
- R 408.30949a**
Source: 1998-2000 AACS.
- R 408.30951a**
Source: 1998-2000 AACS.
- R 408.30952a**
Source: 1997 AACS.
- R 408.30953a**
Source: 1998-2000 AACS.
- R 408.30954a**
Source: 1998-2000 AACS.
- R 408.30955a**
Source: 1997 AACS.
- R 408.30956a**
Source: 1998-2000 AACS.
- R 408.30958a**
Source: 1998-2000 AACS.
- R 408.30960a**
Source: 1997 AACS.
- R 408.30962a**
Source: 1998-2000 AACS.
- R 408.30963a**
Source: 1998-2000 AACS.
- R 408.30964a**
Source: 1997 AACS.
- R 408.30965a**
Source: 1998-2000 AACS.
- R 408.30966a**
Source: 1997 AACS.
- R 408.30967a**
Source: 1997 AACS.
- R 408.30968a**
Source: 1997 AACS.
- R 408.30970a**

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Source: 1997 AACS.

R 408.30971a

Source: 1997 AACS.

R 408.30972a

Source: 1997 AACS.

R 408.30975a

Source: 1998-2000 AACS.

R 408.30977a

Source: 1997 AACS.

R 408.30982a

Source: 1997 AACS.

R 408.30983a

Source: 1998-2000 AACS.

R 408.30984a

Source: 1998-2000 AACS.

R 408.30987a

Source: 1998-2000 AACS.

R 408.30989a

Source: 1997 AACS.

R 408.30992a

Source: 1997 AACS.

R 408.30995a

Source: 2003 AACS.

R 408.30996

Source: 1997 AACS.

R 408.30997

Source: 1997 AACS.

R 408.30998

Source: 1997 AACS.

PART 10. ENERGY CONSERVATION IN NEW BUILDING DESIGN

R 408.31001

Source: 1998-2000 AACS.

R 408.31010

Source: 1998-2000 AACS.

R 408.31020

Source: 1998-2000 AACS.

R 408.31030

Source: 1998-2000 AACS.

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R 408.31040
Source: 1998-2000 AACS.

R 408.31041
Source: 1998-2000 AACS.

R 408.31045
Source: 1998-2000 AACS.

R 408.31050
Source: 1998-2000 AACS.

R 408.31055
Source: 1998-2000 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

BUREAU OF CONSTRUCTION CODES

GENERAL RULES

PART 10. MICHIGAN UNIFORM ENERGY CODE

R 408.31061
Source: 1998-2000 AACS.

R 408.31062
Source: 1998-2000 AACS.

R 408.31063
Source: 1998-2000 AACS.

R 408.31064
Source: 1998-2000 AACS.

R 408.31065
Source: 1998-2000 AACS.

R 408.31066
Source: 1998-2000 AACS.

R 408.31070
Source: 2003 AACS.

R 408.31071
Source: 1998-2000 AACS.

R 408.31072
Source: 1998-2000 AACS.

R 408.31073
Source: 1998-2000 AACS.

R 408.31074
Source: 1998-2000 AACS.

R 408.31075
Source: 1998-2000 AACS.

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R 408.31076
Source: 1998-2000 AACS.

R 408.31077
Source: 1998-2000 AACS.

R 408.31078
Source: 1998-2000 AACS.

R 408.31079
Source: 1998-2000 AACS.

R 408.31080
Source: 1998-2000 AACS.

R 408.31081
Source: 1998-2000 AACS.

R 408.31082
Source: 1998-2000 AACS.

R 408.31083
Source: 1998-2000 AACS.

R 408.31084
Source: 1998-2000 AACS.

R 408.31085
Source: 1998-2000 AACS.

R 480.31086
Source: 1998-2000 AACS.

R 408.31087
Source: 2003 AACS.

R 408.31088
Source: 2003 AACS.

R 408.31089
Source: 2003 AACS.

R 408.31090
Source: 2003 AACS.

R 408.31099
Source: 1998-2000 AACS.

PART 11. PREMANUFACTURED UNITS

R 408.31103
Source: 1984 AACS.

R 408.31104

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Source: 1984 AACs.

R 408.31105

Source: 1984 AACs.

R 408.31106

Source: 1984 AACs.

R 408.31107 Definitions; U.

Rule 1107. "Used modular classroom" means a premanufactured unit manufactured before November 30, 1998, approved as a group E occupancy and used for school purposes.

History: 2006 MR 2, Eff. Apr. 1, 2006.

R 408.31111

Source: 1984 AACs.

R 408.31113

Source: 1984 AACs.

R 408.31122

Source: 1984 AACs.

R 408.31132

Source: 1984 AACs.

R 408.31133

Source: 1984 AACs.

R 408.31134

Source: 1984 AACs.

R 408.31135

Source: 1984 AACs.

R 408.31136

Source: 1984 AACs.

R 408.31137

Source: 1984 AACs.

R 408.31138

Source: 1984 AACs.

R 408.31139

Source: 1984 AACs.

R 408.31141

Source: 1984 AACs.

R 408.31142

Source: 1984 AACs.

R 408.31144

Source: 1984 AACs.

R 408.31145

Source: 1984 AACs.

R 408.31152

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Source: 1984 AACS.

R 408.31153

Source: 1984 AACS.

R 408.31162

Source: 1984 AACS.

R 408.31167

Source: 1984 AACS.

R 408.31168

Source: 1984 AACS.

R 408.31169 Relocation and reuse of used modular classrooms; standards and requirements.

Rule 1169.(1) The Michigan Department of Labor and Economic Growth, Bureau of Construction Codes and Fire Safety shall inspect a used modular classroom relocated within the state to determine compliance with applicable state codes. A local enforcing agency may perform the necessary inspections of a used modular classroom provided the enforcing agency has been delegated authority by the bureau under 1937 PA 306.

(2) A relocated used modular classroom shall meet either the requirements of the Michigan rehabilitation code for existing buildings, R 408.30551 to R 408.30577 or the Michigan building code, R 408.30401 to R 408.30547 and the requirements of the Michigan electrical code, R 408.30801 to R 408.30880, Michigan mechanical code, R 408.30901 to R 408.30998, Michigan plumbing code, R 408.30701 to R 408.30796 and the new and existing school, college, and university fire safety rules, R 29.1901 to R 29.1934.

(3) Before site construction, an applicant shall secure a permit in accordance with the rules and section 10 of 1972 PA 230, MCL 125.1510. The application shall be on a form prescribed by the commission and shall include all of the following:

(a) Applicant name.

(b) Applicant mailing address.

(c) Owner.

(d) Current location of the used modular classroom.

(e) Proposed location for the used classroom.

(f) Applicant or agent telephone number.

(g) Confirmation of the installation of mechanical, plumbing, and fire alarm systems in the used modular classroom.

(h) Copy of the building system approval report when attainable.

(i) Roof/ground snow load data when attainable.

(j) Construction documents for the used modular classroom when attainable.

(k) Manufacturing date of the used modular classroom when attainable.

(4) A used modular classroom without structural damage constructed and approved on or after November 30, 1998 may be inspected after relocation.

(5) A used modular classroom shall be inspected before relocation unless approval is granted by the enforcing agency to perform the inspection at another location.

(6) The enforcing agency shall provide the permit applicant a written notice of violations within 15 business days of the inspection.

(7) A used modular classroom shall not be occupied before the issuance of a certificate of occupancy which shall be issued in accordance with section 13 of 1972 PA 230, MCL 125.1513, when a final inspection determines compliance with the act and rules.

(8) A used modular classroom shall remain weather tight during transportation and storage. The structural components in the roof and walls shall be braced to resist highway shock and vibration forces.

History: 2006 MR 2, Eff. Apr. 1, 2006.

R 408.31170

Source: 2004 AACS.

R 408.31172

Source: 1984 AACS.

R 408.31174

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Source: 1984 AACS.

R 408.31194

Source: 1984 AACS.

CONSTRUCTION SAFETY STANDARDS

PART 1. GENERAL RULES

R 408.40101

Source: 1983 AACS.

R 408.40102

Source: 1998-2000 AACS.

R 408.40103

Source: 1997 AACS.

R 408.40104

Source: 1997 AACS.

R 408.40105

Source: 1997 AACS.

R 408.40106

Source: 1997 AACS.

R 408.40111

Source: 1997 AACS.

R 408.40112

Source: 1997 AACS.

R 408.40114

Source: 2002 AACS.

R 408.40115

Source: 1995 AACS.

R 408.40116

Source: 1983 AACS.

R 408.40118

Source: 1983 AACS.

R 408.40119

Source: 1983 AACS.

R 408.40120

Source: 1996 AACS.

R 408.40121

Source: 1983 AACS.

R 408.40122

Source: 1998-2000 AACS.

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R 408.40123
Source: 1983 AACS.

R 408.40125
Source: 1983 AACS.

R 408.40126
Source: 1983 AACS.

R 408.40127
Source: 1995 AACS.

R 408.40128
Source: 2002 AACS.

R 408.40129
Source: 1995 AACS.

R 408.40130
Source: 1995 AACS.

R 408.40131
Source: 1995 AACS.

R 408.40132
Source: 2002 AACS.

R 408.40133
Source: 2002 AACS.

R 408.40134
Source: 2002 AACS.

PART 2. MASONRY WALL BRACING

R 408.40201
Source: 1989 AACS.

R 408.40202
Source: 1989 AACS.

R 408.40203
Source: 1989 AACS.

R 408.40204
Source: 1989 AACS.

R 408.40205
Source: 1989 AACS.

R 408.40206
Source: 1989 AACS.

R 408.40207
Source: 1989 AACS.

R 408.40208
Source: 1989 AACS.

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R 408.40209
Source: 1989 AACS.

R 408.40210
Source: 1989 AACS.

PART 6. PERSONAL PROTECTIVE EQUIPMENT

R 408.40601
Source: 1980 AACS.

R 408.40615
Source: 1998-2000 AACS.

R 408.40616
Source: 1998-2000 AACS.

R 408.40617
Source: 1985 AACS.

R 408.40621
Source: 1998-2000 AACS.

R 408.40622
Source: 1980 AACS.

R 408.40623
Source: 1998-2000 AACS.

R 408.40624
Source: 1988 AACS.

R 408.40625
Source: 1998-2000 AACS.

R 408.40626
Source: 1982 AACS.

R 408.40627
Source: 1980 AACS.

R 408.40631
Source: 1998-2000 AACS.

R 408.40632
Source: 1998-2000 AACS.

R 408.40633
Source: 1996 AACS.

R 408.40634
Source: 1980 AACS.

R 408.40635
Source: 1998-2000 AACS.

R 408.40636
Source: 1980 AACS.

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R 408.40641
Source: 1998-2000 AACS.

PART 7. WELDING AND CUTTING

R 408.40701
Source: 1980 AACS.

R 408.40705
Source: 1980 AACS.

R 408.40706
Source: 1980 AACS.

R 408.40707
Source: 1980 AACS.

R 408.40711
Source: 1980 AACS.

R 408.40712
Source: 1980 AACS.

R 408.40713
Source: 1996 AACS.

R 408.40714
Source: 1980 AACS.

R 408.40715
Source: 1980 AACS.

R 408.40721
Source: 1980 AACS.

R 408.40722
Source: 1980 AACS.

R 408.40723
Source: 1980 AACS.

R 408.40729
Source: 1980 AACS.

R 408.40731
Source: 1980 AACS.

R 408.40732
Source: 1980 AACS.

R 408.40741
Source: 1980 AACS.

R 408.40742
Source: 1980 AACS.

R 408.40743

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Source: 1980 AACS.

R 408.40744

Source: 1980 AACS.

R 408.40745

Source: 1980 AACS.

R 408.40746

Source: 1982 AACS.

R 408.40747

Source: 1980 AACS.

R 408.40751

Source: 1982 AACS.

R 408.40761

Source: 1980 AACS.

R 408.40762

Source: 1980 AACS.

PART 8. HANDLING AND STORAGE OF MATERIALS

R 408.40810

Source: 2004 AACS.

R 408.40818

Source: 2004 AACS.

R 408.40819

Source: 2004 AACS.

R 408.40821

Source: 2004 AACS.

R 408.40822

Source: 2004 AACS.

R 408.40823

Source: 2004 AACS.

R 408.40831

Source: 2004 AACS.

R 408.40832

Source: 2004 AACS.

R 408.40833

Source: 2004 AACS.

R 408.40834

Source: 2004 AACS.

R 408.40835

Source: 2004 AACS.

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R 408.40836
Source: 2004 AACS.

R 408.40837
Source: 2004 AACS.

R 408.40840
Source: 2004 AACS.

R 408.40841
Source: 2004 AACS.

PART 9. EXCAVATION, TRENCHING, AND SHORING

R 408.40925
Source: 1993 AACS.

R 408.40932
Source: 1993 AACS.

R 408.40934
Source: 1993 AACS.

R 408.40943
Source: 1993 AACS.

R 408.40944
Source: 1993 AACS.

R 408.40945
Source: 1993 AACS.

R 408.40946
Source: 1988 AACS.

R 408.40951
Source: 1996 AACS.

R 408.40953
Source: 1993 AACS.

PART 10. LIFTING AND DIGGING EQUIPMENT

R 408.41001
Source: 1997 AACS.

R 408.41001a
Source: 1998-2000 AACS.

R 408.41002a
Source: 1995 AACS.

R 408.41003a
Source: 1995 AACS.

R 408.41004
Source: 1997 AACS.

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R 408.41004a
Source: 1995 AACS.

CRANES, DERRICKS, AND EXCAVATION EQUIPMENT

R 408.41005a
Source: 1998-2000 AACS.

R 408.41006a
Source: 1998-2000 AACS.

R 408.41007a
Source: 1995 AACS.

R 408.41008a
Source: 1995 AACS.

R 408.41009a
Source: 1995 AACS.

R 408.41010a
Source: 1995 AACS.

R 408.41011a
Source: 1995 AACS.

R 408.41012a
Source: 1995 AACS.

R 408.41013a
Source: 1995 AACS.

R 408.41014a
Source: 1998-2000 AACS.

R 408.41015a
Source: 1998-2000 AACS.

R 408.41016a
Source: 1998-2000 AACS.

R 408.41017a
Source: 1995 AACS.

R 408.41018a
Source: 1998-2000 AACS.

R 408.41019a
Source: 1995 AACS.

R 408.41020a
Source: 1998-2000 AACS.

R 408.41021a
Source: 1995 AACS.

R 408.41022a
Source: 1995 AACS.

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R 408.41023a
Source: 1998-2000 AACS.

R 408.41024
Source: 1997 AACS.

R 408.41024a
Source: 1995 AACS.

R 408.41025
Source: 1997 AACS.

R 408.41025a
Source: 1998-2000 AACS.

R 408.41026
Source: 1997 AACS.

R 408.41026a
Source: 1995 AACS.

R 408.41027
Source: 1997 AACS.

R 408.41027a
Source: 1995 AACS.

R 408.41028
Source: 1997 AACS.

R 408.41028a
Source: 1998-2000 AACS.

R 408.41029a
Source: 1995 AACS.

R 408.41030
Source: 1997 AACS.

R 408.41030a
Source: 1995 AACS.

R 408.41031
Source: 1997 AACS.

R 408.41031a
Source: 1998-2000 AACS.

R 408.41032a
Source: 1995 AACS.

R 408.41033a
Source: 1998-2000 AACS.

R 408.41051a
Source: 1995 AACS.

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MATERIAL AND PERSONNEL HOISTS (ELEVATORS)

R 408.41065a
Source: 1998-2000 AACS.

R 408.41066a
Source: 1995 AACS.

R 408.41067a
Source: 1995 AACS.

R 408.41068a
Source: 1995 AACS.

R 408.41069a
Source: 1995 AACS.

R 408.41070a
Source: 1995 AACS.

R 408.41070b
Source: 1998-2000 AACS.

PERSONNEL HOISTS

R 408.41071a
Source: 1998-2000 AACS.

R 408.41072a
Source: 1998-2000 AACS.

R 408.41073a
Source: 1995 AACS.

R 408.41074a
Source: 1995 AACS.

R 408.41075a
Source: 1995 AACS.

BASE-MOUNTED DRUM PERSONNEL HOISTS

R 408.41077a
Source: 1998-2000 AACS.

R 408.41099a
Source: 1995 AACS.

PART 11. FIXED AND PORTABLE LADDERS

R 408.41101
Source: 1993 AACS.

R 408.41103
Source: 1993 AACS.

R 408.41104
Source: 1993 AACS.

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R 408.41105
Source: 1993 AACS.

R 408.41111
Source: 1993 AACS.

R 408.41112
Source: 1993 AACS.

R 408.41113
Source: 1993 AACS.

R 408.41115
Source: 1993 AACS.

R 408.41121
Source: 1993 AACS.

R 408.41122
Source: 1993 AACS.

R 408.41123
Source: 1993 AACS.

R 408.41124
Source: 1993 AACS.

R 408.41125
Source: 1993 AACS.

R 408.41126
Source: 1993 AACS.

R 408.41127
Source: 1996 AACS.

R 408.41128
Source: 1990 AACS.

R 408.41129
Source: 1990 AACS.

R 408.41130
Source: 1990 AACS.

R 408.41131
Source: 1990 AACS.

R 408.41132
Source: 1990 AACS.

R 408.41133
Source: 1990 AACS.

R 408.41140
Source: 1990 AACS.

PART 12. SCAFFOLDS AND SCAFFOLD PLATFORMS

Annual Administrative Code Supplement
2006 Edition

R 408.41201
Source: 1998-2000 AACS.

R 408.41203
Source: 1998-2000 AACS.

R 408.41204
Source: 1998-2000 AACS.

R 408.41205
Source: 1998-2000 AACS.

R 408.41206
Source: 1998-2000 AACS.

R 408.41207
Source: 1998-2000 AACS.

R 408.41208
Source: 1998-2000 AACS.

R 408.41209
Source: 1998-2000 AACS.

R 408.41210
Source: 1998-2000 AACS.

R 408.41211
Source: 1998-2000 AACS.

R 408.41212
Source: 1998-2000 AACS.

R 408.41213
Source: 1998-2000 AACS.

R 408.41214
Source: 1998-2000 AACS.

R 408.41215
Source: 1981 AACS.

R 408.41216
Source: 1981 AACS.

R 408.41217
Source: 1998-2000 AACS.

R 408.41218
Source: 1981 AACS.

R 408.41219
Source: 1998-2000 AACS.

FLOOR AND GROUND SUPPORTED SCAFFOLDS

Annual Administrative Code Supplement
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R 408.41221
Source: 1998-2000 AACS.

R 408.41222
Source: 1981 AACS.

R 408.41223
Source: 1998-2000 AACS.

R 408.41224
Source: 1998-2000 AACS.

R 408.41225
Source: 1981 AACS.

R 408.41226
Source: 1981 AACS.

R 408.41227
Source: 1998-2000 AACS.

R 408.41228
Source: 1981 AACS.

R 408.41229
Source: 1998-2000 AACS.

SUSPENDED SCAFFOLDS

R 408.41231
Source: 1998-2000 AACS.

R 408.41232
Source: 1990 AACS.

R 408.41233
Source: 1998-2000 AACS.

R 408.41234
Source: 1998-2000 AACS.

R 408.41235
Source: 1998-2000 AACS.

R 408.41236
Source: 1998-2000 AACS.

R 408.41237
Source: 1996 AACS.

R 408.41238
Source: 1996 AACS.

R 408.41239
Source: 1998-2000 AACS.

R 408.41240
Source: 1998-2000 AACS.

MOBILE SCAFFOLDS

- R 408.41241**
Source: 1998-2000 AACS.
- R 408.41242**
Source: 1997 AACS.
- R 408.41243**
Source: 1997 AACS.
- R 408.41244**
Source: 1997 AACS.
- R 408.41245**
Source: 1997 AACS.
- R 408.41246**
Source: 1997 AACS.
- R 408.41251**
Source: 1998-2000 AACS.

AUXILIARY SUPPORTED SCAFFOLDS

- R 408.41252**
Source: 1997 AACS.
- R 408.41253**
Source: 1981 AACS.
- R 408.41254**
Source: 1981 AACS.
- R 408.41255**
Source: 1990 AACS.
- R 408.41256**
Source: 1981 AACS.
- R 408.41256a**
Source: 1998-2000 AACS.
- R 408.41256b**
Source: 1998-2000 AACS.
- R 408.41257**
Source: 1997 AACS.
- R 408.41258**
Source: 1997 AACS.
- R 408.41259**
Source: 1997 AACS.
- R 408.41260**
Source: 1997 AACS.

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WIRE, FIBER, AND SYNTHETIC ROPE

R 408.41261
Source: 1998-2000 AACS.

R 408.41262
Source: 1981 AACS.

R 408.41263
Source: 1981 AACS.

R 408.41264
Source: 1998-2000 AACS.

PART 13. MOBILE EQUIPMENT

R 408.41301
Source: 1998-2000 AACS.

PART 14. TUNNELS, SHAFTS, CAISSONS, AND COFFERDAMS
GENERAL PROVISIONS

R 408.41401
Source: 2003 AACS.

R 408.41405
Source: 2003 AACS.

R 408.41410
Source: 2003 AACS.

R 408.41454
Source: 2003 AACS.

R 408.41455
Source: 2003 AACS.

R 408.41456
Source: 2003 AACS.

R 408.41461
Source: 2003 AACS.

R 408.41462
Source: 2003 AACS.

R 408.41463
Source: 2003 AACS.

R 408.41464
Source: 2003 AACS.

R 408.41465
Source: 2003 AACS.

R 408.41466
Source: 2003 AACS.

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R 408.41467
Source: 2003 AACS.

TUNNELS AND SHAFTS

R 408.41471
Source: 2003 AACS.

R 408.41472
Source: 2003 AACS.

R 408.41474
Source: 2003 AACS.

R 408.41475
Source: 2003 AACS.

R 408.41476
Source: 2003 AACS.

R 408.41477
Source: 2003 AACS.

R 408.41478
Source: 2003 AACS.

R 408.41479
Source: 2003 AACS.

COFFERDAMS AND CAISSONS

R 408.41481
Source: 2003 AACS.

R 408.41482
Source: 1996 AACS.

R 408.41483
Source: 2003 AACS.

PART 16. POWER TRANSMISSION AND DISTRIBUTION

R 408.41601
Source: 1982 AACS.

R 408.41610
Source: 2005 AACS.

R 408.41625
Source: 1982 AACS.

R 408.41626
Source: 1982 AACS.

R 408.41627
Source: 2005 AACS.

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R 408.41628
Source: 1982 AACS.

R 408.41629
Source: 1982 AACS.

R 408.41630
Source: 2005 AACS.

R 408.41631
Source: 1982 AACS.

R 408.41632
Source: 2005 AACS.

R 408.41633
Source: 2005 AACS.

R 408.41634
Source: 2005 AACS.

R 408.41635
Source: 2005 AACS.

R 408.41636
Source: 2005 AACS.

R 408.41637
Source: 2005 AACS.

R 408.41638
Source: 2005 AACS.

R 408.41639
Source: 1982 AACS.

R 408.41640
Source: 1982 AACS.

R 408.41641
Source: 2005 AACS.

R 408.41642
Source: 2005 AACS.

R 408.41643
Source: 2005 AACS.

R 408.41644
Source: 1985 AACS.

R 408.41645
Source: 2005 AACS.

R 408.41646
Source: 2005 AACS.

R 408.41647
Source: 2005 AACS.

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R 408.41648
Source: 1985 AACS.

R 408.41649
Source: 1985 AACS.

R 408.41650
Source: 2005 AACS.

R 408.41651
Source: 1982 AACS.

R 408.41652
Source: 1982 AACS.

R 408.41653
Source: 2005 AACS.

R 408.41654
Source: 1982 AACS.

R 408.41655
Source: 1982 AACS.

R 408.41656
Source: 1982 AACS.

R 408.41657
Source: 1982 AACS.

R 408.41658
Source: 1982 AACS.

PART 17. ELECTRICAL INSTALLATIONS

R 408.41733
Source: 1982 AACS.

PART 18. FIRE PROTECTION AND PREVENTION

R 408.41801
Source: 2002 AACS.

R 408.41802
Source: 2002 AACS.

R 408.41836
Source: 2002 AACS.

R 408.41837
Source: 2002 AACS.

R 408.41838
Source: 2002 AACS.

R 408.41841
Source: 2002 AACS.

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R 408.41842
Source: 2002 AACS.

R 408.41850
Source: 1995 AACS.

R 408.41851
Source: 2002 AACS.

R 408.41852
Source: 2002 AACS.

R 408.41853
Source: 2002 AACS.

R 408.41854
Source: 1983 AACS.

R 408.41855
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R 408.41856
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R 408.41861
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R 408.41862
Source: 1983 AACS.

R 408.41863
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R 408.41864
Source: 2002 AACS.

R 408.41865
Source: 1983 AACS.

R 408.41866
Source: 2002 AACS.

R 408.41867
Source: 1983 AACS.

R 408.41868
Source: 2002 AACS.

R 408.41869
Source: 2002 AACS.

R 408.41871
Source: 2002 AACS.

R 408.41872
Source: 1983 AACS.

R 408.41873

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Source: 1983 AACS.

R 408.41874

Source: 1983 AACS.

R 408.41875

Source: 2002 AACS.

R 408.41876

Source: 2002 AACS.

R 408.41877

Source: 2002 AACS.

R 408.41878

Source: 1983 AACS.

R 408.41879

Source: 1983 AACS.

R 408.41881

Source: 1983 AACS.

R 408.41882

Source: 1983 AACS.

R 408.41883

Source: 1983 AACS.

R 408.41884

Source: 2002 AACS.

PART 19. TOOLS

R 408.41926

Source: 1989 AACS.

R 408.41927

Source: 1989 AACS.

R 408.41928

Source: 1989 AACS.

R 408.41929

Source: 1989 AACS.

R 408.41932

Source: 1989 AACS.

R 408.41933

Source: 1989 AACS.

R 408.41934

Source: 1989 AACS.

R 408.41935

Source: 1995 AACS.

R 408.41936

Annual Administrative Code Supplement
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Source: 1982 AACS.

R 408.41937

Source: 1989 AACS.

R 408.41943

Source: 1982 AACS.

R 408.41944

Source: 1997 AACS.

R 408.41945

Source: 1997 AACS.

R 408.41949

Source: 1997 AACS.

R 408.41951

Source: 1989 AACS.

R 408.41955

Source: 1989 AACS.

R 408.41957

Source: 1989 AACS.

R 408.41958

Source: 1997 AACS.

R 408.41959

Source: 1989 AACS.

R 408.41960

Source: 1989 AACS.

R 408.41961

Source: 1995 AACS.

R 408.41962

Source: 1989 AACS.

R 408.41963

Source: 1997 AACS.

R 408.41964

Source: 1989 AACS.

R 408.41966

Source: 1995 AACS.

R 408.41970

Source: 1989 AACS.

R 408.41971

Source: 1989 AACS.

R 408.41972

Source: 1989 AACS.

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R 408.41973
Source: 1989 AACS.

R 408.41974
Source: 1989 AACS.

R 408.41975
Source: 1989 AACS.

R 408.41976
Source: 1989 AACS.

R 408.41977
Source: 1989 AACS.

R 408.41978
Source: 1989 AACS.

R 408.41979
Source: 1989 AACS.

R 408.41980
Source: 1995 AACS.

PART 20. DEMOLITION

R 408.42001
Source: 1981 AACS.

R 408.42023
Source: 1998-2000 AACS.

R 408.42031
Source: 1998-2000 AACS.

R 408.42032
Source: 1996 AACS.

R 408.42033
Source: 1981 AACS.

R 408.42034
Source: 1981 AACS.

R 408.42041
Source: 1996 AACS.

R 408.42043
Source: 1981 AACS.

R 408.42044
Source: 1981 AACS.

R 408.42045
Source: 1981 AACS.

R 408.42046
Source: 1981 AACS.

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R 408.42047
Source: 1981 AACS.

PART 21. GUARDING OF WALKING AND WORKING AREAS

R 408.42101
Source: 1996 AACS.

R 408.42121
Source: 1996 AACS.

R 408.42122
Source: 1996 AACS.

R 408.42123
Source: 1996 AACS.

R 408.42127
Source: 1993 AACS.

R 408.42128
Source: 1993 AACS.

R 408.42129
Source: 1993 AACS.

R 408.42130
Source: 1993 AACS.

R 408.42131
Source: 1996 AACS.

R 408.42140
Source: 1997 AACS.

R 408.42141
Source: 1997 AACS.

R 408.42142
Source: 1997 AACS.

R 408.42143
Source: 1997 AACS.

R 408.42144
Source: 1997 AACS.

R 408.42145
Source: 1996 AACS.

R 408.42146
Source: 1997 AACS.

R 408.42147
Source: 1997 AACS.

R 408.42148
Source: 1997 AACS.

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2006 Edition

R 408.42149
Source: 1989 AACS.

R 408.42150
Source: 1996 AACS.

R 408.42151
Source: 1997 AACS.

R 408.42152
Source: 1997 AACS.

R 408.42153
Source: 1997 AACS.

R 408.42154
Source: 1989 AACS.

R 408.42155
Source: 1993 AACS.

R 408.42156
Source: 1993 AACS.

R 408.42157
Source: 1993 AACS.

R 408.42158
Source: 1997 AACS.

R 408.42159
Source: 1989 AACS.

R 408.42160
Source: 1996 AACS.

PART 22. SIGNALS, SIGNS, TAGS, AND BARRICADES

R 408.42201
Source: 2001 AACS.

R 408.42209 Availability of documents.

Rule 2209. (1) The following Michigan occupational safety and health standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Labor and Economic Growth, MIOSHA Standards Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at website: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, as of the time of adoption of these rules, is 4 cents per page.

- (a) Construction Safety Standard Part 6 Personal Protective Equipment, R 408.40601 et seq.
- (b) Construction Safety Standard Part 10 Lifting and Digging Equipment, R 408.41001a et seq.
- (c) Construction Safety Standard Part 13 Mobile Equipment, R 408.41301 et seq.
- (d) Construction Safety Standard Part 27 Blasting and Use of Explosives, R 408.42701 et seq.
- (e) Construction Safety Standard Part 30 Telecommunications, R 408.43001 et seq.
- (f) Construction Safety Standard Part 45 Fall Protection, R 408.44501 et seq.

(2) Part 6: Temporary Traffic Control of the Manual on Uniform Traffic Control Devices for Streets and Highways, 2005 Michigan MUTCD/2003 Federal Edition, hereafter referred to as the 2005 MMUTCD, is adopted by reference in these rules and is available at no cost from the Michigan Department of Transportation via the internet at website: www.michigan.gov/mdot. The entire 2005 MMUTCD may be purchased from Michigan Technical University, Local Technical Assistance Program, Room 309 Dillman Building, 1400 Townsend Drive, Houghton, Michigan, 49931; (906) 487-2102; at a cost of \$135 at the time of publication of these rules.

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History: 2006 MR 22, Eff. Nov. 20, 2006.

R 408.42210

Source: 1997 AACS.

R 408.42211

Source: 2001 AACS.

R 408.42213

Source: 2001 AACS.

R 408.42221

Source: 2001 AACS.

R 408.42222

Source: 2001 AACS.

R 408.42223 Traffic control.

Rule 2223. (1) Traffic control devices shall be installed and maintained as prescribed in Part 6 of the 2005 MMUTCD, which is adopted by reference in R 408.42209.

(2) An employer shall ensure that all operations have routine inspections of traffic control elements for acceptable levels of operation. When traffic exposures are such that signs, signals, or barricades do not provide the necessary protection on, or adjacent to, a highway or street, traffic regulators or other appropriate traffic controls shall be provided. Modification of traffic controls, such as additional signs or devices, or a change in work operations, shall be determined by a qualified person who is responsible for the project traffic control.

(3) Signaling directions by traffic regulators shall conform to the provisions of Part 6 of the 2005 MMUTCD which is adopted by reference in R 408.42209.

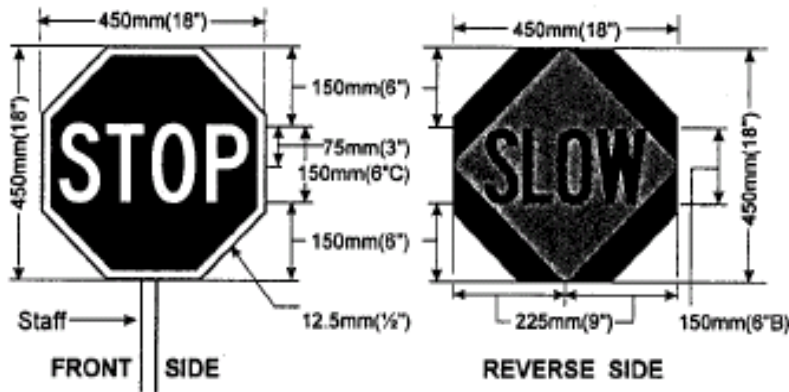
(4) A hand-held paddle sign shall have 2 faces and it shall be attached to a staff of suitable design that will allow the entire unit to be held and controlled by 1 traffic regulator. The bottom of the sign shall be a minimum of 6 feet (1.8 meters) above the roadway surface. The sign shall be fastened to the staff so that no part of the legend is obscured. The portion of the staff within the sign face shall match the sign colors. The sign shall not be less than 18 by 18 inches (450 millimeters x 450 millimeters) and the letters shall have a minimum height of 6 inches (150 millimeters). All letters and spacing between letters shall be as prescribed in Part 6 of the 2005 MMUTCD, which is adopted by reference in R 408.42209. The legend shall be optically centered horizontally on the sign. One side of the sign shall display a 'STOP' face and the other side shall display the message 'SLOW', except that if it is necessary for 1 traffic regulator to stop 2 directions of traffic at the same time, then a 'STOP' face shall be used on each side of the sign. The 'STOP' face shall have a red background with white letters and border. The 'SLOW' face shall have an orange background with black letters and border. The shape of the sign shall be octagonal and the portions of the sign other than the diamond-shaped 'SLOW' face shall be black. When the sign paddle is used during hours of darkness, the red and white of the 'STOP' face and the orange of the 'SLOW' face shall be reflectorized. Sheet metal or other light semi-rigid material may be used for mounting the 'STOP' and 'SLOW' faces.

(5) If signaling by a traffic regulator is necessary on construction operations that are not within a public right-of-way, then a hand-held paddle sign as specified in subrule (4) of this rule shall be used.

(6) The paddle sign shall be as follows:

DETAIL OF PADDLE SIGN

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*NOTE: The dimensions shown for the sign are minimum.

Proportionately larger paddle signs may be used.

(7) In periods of darkness, appropriate lighting shall be used to illuminate the traffic regulator and the traffic regulator station. The lighting shall be as is required in Part 6 of the 2005 MMUTCD, which is adopted by reference in R 408.42209. Appropriate lighting means lighting that illuminates the traffic regulator so that he or she is visible to oncoming traffic and does not impair either the traffic regulator's or motorists' visibility due to blinding or shadowing.

(8) An employer shall provide, and a traffic regulator shall wear, a vest, a shirt, or a jacket that is fluorescent orange, yellow, strong yellow green, or a combination of these colors and shall contain retro reflective material that is orange, yellow, white, silver, or strong yellow green. A traffic regulator's vest, shirt, or jacket shall be clearly visible at 360 degrees through the full range of body motion day and night.

(9) An employer shall require that the garment is inspected before each use for all of the following:

- (a) Wear.
- (b) Damage.
- (c) Fading.
- (d) Reflectivity.
- (e) Other deterioration.

Defective garments shall be reported to the employer and the employer shall either repair or replace the garment.

(10) A traffic regulator shall also wear head, eye, and foot protection as prescribed in Construction Safety Standard Part 6 Personal Protective Equipment, R 408.40601 et seq.

(11) If vehicular traffic violates traffic laws and creates a hazard to employees performing construction operations, then an employer shall notify the appropriate law enforcement agencies of the unit of government exercising authority over the roadway for the enforcement of applicable speed limits and other traffic laws.

History: 1954 ACS 96, Eff. July 26, 1978; 1979 AC; 1979 ACS 9, Eff. Feb. 5, 1982; 1979 ACS 12, Eff. Dec. 10, 1982; 1995 MR 6, Eff. June 17, 1995; 2001 MR 20, Eff. Jul. 31, 2001; 2006 MR 22, Eff. Nov. 20, 2006.

R 408.42224

Source: 2001 AACS.

R 408.42225 Placement, removal, relocation, and use of traffic control devices from a moving vehicle; handholds.

Rule 2225. Construction and maintenance operations from a moving vehicle.

(1) Construction and maintenance operations that require placement, relocation, or removal of pavement markings, or traffic control devices such as drums, barricades, cones, or signs, shall provide protection to an employee by any of the following methods:

- (a) Use of a seat and a seatbelt.
- (b) A standard guardrail system as prescribed in Construction Safety Standard Part 45 Fall Protection, R 408.44501 which adopts C.F.R. §1926.502 et seq. by reference.
- (c) A guardrail as described in subdivision (b) of this subrule may be modified as follows for the following operations as specified in paragraphs (i) and (ii) of this subdivision. These rules apply only to the placement, removal, relocation, and use of traffic control devices from a moving vehicle, and do not apply to the transportation of an employee or employees outside of the construction influence area (CIA) or from point to point within the CIA. Transportation of an employee or employees outside of the CIA or from point to point within the CIA shall be as required in C.F.R. §1926.601(b)(8) and (b)(9), which is adopted by reference in Construction Safety Standard Part 13 Mobile Equipment, R 408.41301 et seq.
- (i) For continuous moving operations, the top rail of a guardrail may be removed at the point of operation when a handhold

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is provided and is used and only during continuous moving operations for the placement, removal, or relocation of traffic control devices, such as cones, tubular devices, or pavement markings.

(ii) For intermittent stopping operations, a section of guardrail may be removed at the point of operation when a handhold is provided and is used when intermittent stopping of the vehicle is required for the placement, removal, or relocation of traffic control devices, such as drums, signs, or pavement markings. The handhold shall be used by employees at all times when the vehicle is in motion and it shall be located so that the employee is positioned a minimum of 48 inches (1.2 meters) in distance from the area from the railing that has been removed.

(d) Use of other means that will provide equivalent fall protection for an employee may be used. Such a system shall be performance oriented and shall be designed so that it does not create a greater hazard to the employee.

(2) A handhold shall be oriented and a size to promote gripping by wrapping fingers around not less than 270 degrees (3 sides) of the device or place designated. The handhold shall be capable of withstanding not less than 200 pounds of force in any direction and be free from rough edges, slippery surfaces, or hazardous projections. The handhold shall be in place and identified as such before employees are permitted to perform their assigned tasks while riding on moving vehicles.

History: 2001 MR 20, Eff. Jul. 31, 2001; 2006 MR 22, Eff. Nov. 20, 2006.

R 408.42229

Source: 2001 AACS.

R 408.42230

Source: 2001 AACS.

R 408.42231

Source: 1995 AACS.

R 408.42232

Source: 1997 AACS.

R 408.42233

Source: 2001 AACS.

R 408.42235 Safety instruction sign.

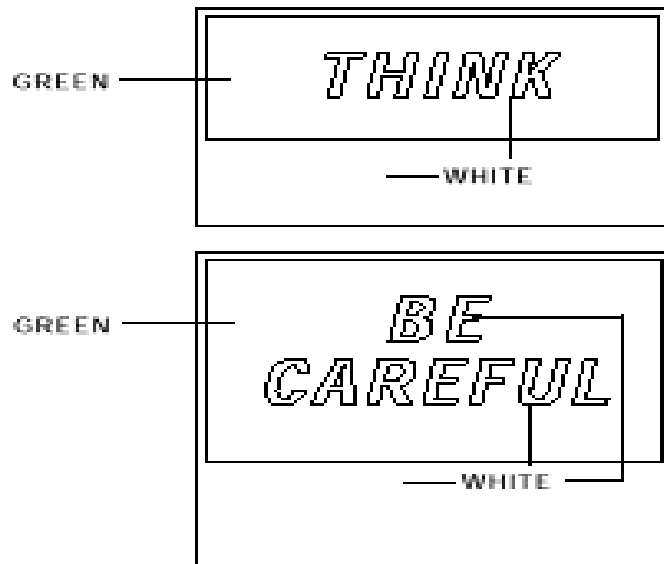
Rule 2235. (1) A safety instruction sign shall be used for a general instruction or suggestion relative to safety measures.

(2) The proportions for a safety instruction sign shall be not less than those prescribed in table 5 and the format of figure 3 shall be followed.

(3) A safety instruction sign shall have the signal word in white on a green background in the upper panel. The lower panel where additional wording may be used shall be black letters on a white background.

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**FIGURE 3
SAFETY INSTRUCTION SIGNS**



(Note: the words "Think" and "Be Careful" given here are only illustrations. Other wording may be used.)

**TABLE 5
STANDARD PROPORTIONS FOR SAFETY INSTRUCTION SIGNS**

Sign Size		Green Rectangular Panel		Word "THINK" Height of Letter		Minimum Space Available for Sign Wording Below Panel			
Inches	Millimeters	Inches	Millimeter s	Inches	Millimeters	Inches	Millimeter s		
7 x 10	175 x 250	2 3/4 x 9 3/8	69 x 234	1 3/8	34	3 1/2 x 9 3/8	88 x 234		
10 x 14	250 x 350	3 1/4 x 13 3/8	81 x 334	2 1/4	56	5 1/2 x 13 3/8	138 x 334		
14 x 20	350 x 500	3 3/4 x 19 3/8	94 x 484	2 3/4	69	9 x 19 3/8	225 x 484		
20 x 28	500 x 700	4 1/4 x 27 3/8	106 x 684	3 1/4	81	14 1/2 x 27 3/8	363 x 684		
Sign Size		Green Panel		Word "BE" Height of Letters		Word "CAREFUL" Height of Letters		Minimum Space Available for Sign Wording Below Panel	
Inches	Milli- meters	Inches	Milli- meters	Inche s	Milli- meter s	Inche s	Milli- meters	Inches	Milli- meters
7 x 10	175 x 250	3 3/8 x 9 3/8	84 x 234	1 3/4	42	1 3/16	30	2 1/2 x 9 3/8	63 x 234
10 x 14	250 x 350	4 3/4 x 13 3/8	119 x 334	1 3/4	42	2 3/16	55	4 x 13 3/8	100 x 334
14 x 20	350 x 500	6 3/4 x 19 3/8	169 x 484	2 1/2	63	3 1/8	78	6 x 19 3/8	150 x 484
20 x 28	500 x 700	9 1/2 x 27 3/8	238 x 684	3 1/2	88	4 3/8	109	9 1/4 x 27 3/8	231 x 684

History: 1954 ACS 96, Eff. July 26, 1978; 1979 AC; 2001 MR 20, Eff. Jul. 31, 2001; 2006 MR 22, Eff. Nov. 20, 2006.

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R 408.42238 Signs for blasting and use of explosives.

Rule 2238. Where blasting and the use of explosives takes place, signs shall be as prescribed in Construction Safety Standard Part 27 Blasting and Use of Explosives, R 408.42701 et seq.

History: 1995 MR 6, Eff. June 17, 1995; 2001 MR 20, Eff. Jul. 31, 2001; 2006 MR 22, Eff. Nov. 20, 2006.

R 408.42243

Source: 1995 AACS.

PART 24. TAR KETTLES

R 408.42401

Source: 1991 AACS.

R 408.42403

Source: 1981 AACS.

R 408.42404

Source: 1981 AACS.

R 408.42407

Source: 1996 AACS.

PART 25. CONCRETE CONSTRUCTION

R 408.42501

Source: 2003 AACS.

R 408.42502

Source: 2003 AACS.

R 408.42503

Source: 2003 AACS.

R 408.42516

Source: 2003 AACS.

R 408.42517

Source: 2003 AACS.

R 408.42518

Source: 2003 AACS.

R 408.42519

Source: 2003 AACS.

R 408.42520

Source: 2003 AACS.

R 408.42521

Source: 2003 AACS.

R 408.42522

Source: 2003 AACS.

R 408.42523

Source: 2003 AACS.

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R 408.42524
Source: 1989 AACS.

R 408.42525
Source: 1980 AACS.

R 408.42526
Source: 1980 AACS.

R 408.42527
Source: 2003 AACS.

R 408.42528
Source: 1989 AACS.

R 408.42531
Source: 1989 AACS.

R 408.42532
Source: 2003 AACS.

R 408.42533
Source: 2003 AACS.

R 408.42534
Source: 1989 AACS.

R 408.42535
Source: 2003 AACS.

PART 26. STEEL AND PRECAST ERECTION

R 408.42601
Source: 2002 AACS.

R 408.42602
Source: 2002 AACS.

R 408.42604
Source: 2002 AACS.

R 408.42605
Source: 2002 AACS.

Source: 2002 AACS.

R 408.42607
Source: 2002 AACS.

R 408.42608
Source: 2002 AACS.

R 408.42609
Source: 2002 AACS.

R 408.42610
Source: 2002 AACS.

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R 408.42611
Source: 1997 AACs.

R 408.42612
Source: 1997 AACs.

R 408.42613
Source: 1997 AACs.

R 408.42614
Source: 2002 AACs.

R 408.42615
Source: 2002 AACs.

R 408.42616
Source: 2002 AACs.

R 408.42617
Source: 2002 AACs.

R 408.42618
Source: 2002 AACs.

R 408.42620
Source: 2002 AACs.

R 408.42621
Source: 2002 AACs.

R 408.42622
Source: 2002 AACs.

R 408.42623
Source: 2002 AACs.

R 408.42626
Source: 2002 AACs.

R 408.42628
Source: 2002 AACs.

R 408.42629
Source: 2002 AACs.

R 408.42630
Source: 2002 AACs.

R 408.42632
Source: 2002 AACs.

R 408.42634
Source: 2002 AACs.

R 408.42636
Source: 2002 AACs.

R 408.42638
Source: 2002 AACs.

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R 408.42640
Source: 2002 AACS.

R 408.42642
Source: 2002 AACS.

R 408.42643
Source: 2002 AACS.

R 408.42644
Source: 2002 AACS.

R 408.42645
Source: 2002 AACS.

R 408.42646
Source: 2002 AACS.

R 408.42648
Source: 2002 AACS.

R 408.42650
Source: 2002 AACS.

R 408.42651
Source: 2002 AACS.

R 408.42653
Source: 2002 AACS.

R 408.42654
Source: 2002 AACS.

R 408.42655
Source: 2002 AACS.

R 408.42656
Source: 2002 AACS.

PART 27. BLASTING AND USE OF EXPLOSIVES

R 408.42701
Source: 1982 AACS.

R 408.42724
Source: 1982 AACS.

R 408.42725
Source: 1982 AACS.

R 408.42726
Source: 1982 AACS.

R 408.42727
Source: 1982 AACS.

R 408.42728

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Source: 1982 AACS.

R 408.42731

Source: 1982 AACS.

R 408.42732

Source: 1982 AACS.

R 408.42733

Source: 1982 AACS.

R 408.42734

Source: 1982 AACS.

R 408.42735

Source: 1988 AACS.

R 408.42737

Source: 1982 AACS.

R 408.42741

Source: 1994 AACS.

R 408.42742

Source: 1982 AACS.

R 408.42743

Source: 1982 AACS.

R 408.42744

Source: 1982 AACS.

R 408.42751

Source: 1982 AACS.

R 408.42752

Source: 1982 AACS.

R 408.42753

Source: 1982 AACS.

R 408.42754

Source: 1982 AACS.

R 408.42755

Source: 1982 AACS.

R 408.42756

Source: 1982 AACS.

R 408.42757

Source: 1982 AACS.

R 408.42758

Source: 1982 AACS.

R 408.42759

Source: 1982 AACS.

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R 408.42761
Source: 1982 AACS.

R 408.42762
Source: 1982 AACS.

R 408.42763
Source: 1982 AACS.

R 408.42799
Source: 1988 AACS.

PART 30. TELECOMMUNICATIONS

R 408.43001
Source: 2005 AACS.

R 408.43002
Source: 2005 AACS.

R 408.43003
Source: 2005 AACS.

R 408.43005
Source: 2005 AACS.

R 408.43006
Source: 2005 AACS.

PART 31. DIVING OPERATIONS

R 408.43106
Source: 1994 AACS.

R 408.43109
Source: 1994 AACS.

R 408.43121
Source: 1994 AACS.

R 408.43155
Source: 1994 AACS.

R 408.43156
Source: 1994 AACS.

R 408.43162
Source: 1994 AACS.

PART 32. AERIAL WORK PLATFORMS

R 408.43201
Source: 1992 AACS.

R 408.43202
Source: 1998-2000 AACS.

R 408.43203

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Source: 1992 AACS.

R 408.43204

Source: 1992 AACS.

R 408.43205

Source: 1998-2000 AACS.

R 408.43206

Source: 1998-2000 AACS.

R 408.43207

Source: 1992 AACS.

R 408.43208

Source: 1992 AACS.

R 408.43209

Source: 1998-2000 AACS.

R 408.43210

Source: 1992 AACS.

PART 42. HAZARD COMMUNICATION

R 408.44201

Source: 1995 AACS.

R 408.44202

Source: 1995 AACS.

R 408.44203

Source: 1995 AACS.

PART 45. FALL PROTECTION

R 408.44501

Source: 1996 AACS.

R 408.44502

Source: 1996 AACS.

PART 51. AGRICULTURAL TRACTORS

R 408.45101

Source: 1997 AACS.

PART 91. PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS

R 408.49101

Source: 1998-2000 AACS.

DEPARTMENT OF EDUCATION
VOCATIONAL-TECHNICAL EDUCATION SERVICE
STANDARDS FOR ISSUANCE OF WORK PERMITS

R 409.1

Source: 1980 AACS.

R 409.2
Source: 1980 AACS.

R 409.3
Source: 1980 AACS.

R 409.4
Source: 1980 AACS.

R 409.5
Source: 1980 AACS.

R 409.6
Source: 1980 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES
DIRECTOR'S OFFICE
WORKER'S COMPENSATION APPELLATE COMMISSION
ADMINISTRATIVE APPELLATE PROCEDURE

R 418.1
Source: 1991 AACS.

R 418.2
Source: 1991 AACS.

R 418.3
Source: 1991 AACS.

R 418.4 Cross appeals.

Rule 4. (1) A cross appeal shall be received by the commission not later than 30 days after the cross appellant has received a copy of the appellant's brief. The cross appellant shall provide all other parties with copies of the cross appeal. "Receipt of appellant's brief" shall be deemed to have occurred 5 days after the date of service/mailing indicated in the proof of service filed by the appellant with the commission.

(2) A cross appeal shall not be filed before the cross appellant receives a copy of the appellant's brief.

(3) There shall be no delayed cross appeal. An extension of time to file a reply brief does not extend the time to file a cross appeal.

(4) If the appellant's appeal is withdrawn or dismissed, the cross appeal is extinguished.

(5) A cross appeal shall be filed on the claim for review form specifically identifying that the party cross appeals the magistrate's decision.

History: 1991 MR 12, Eff. Jan. 2, 1992; 2006 MR 8, Eff. Apr. 19, 2006.

R 418.5
Source: 1991 AACS.

R 418.6 Briefs; titles; filing.

Rule 6. (1) A brief shall be entitled "appellant's brief," "appellee's brief," "Cross appellant's brief," or "cross appellee's brief" or shall be otherwise appropriately designated.

(2) An appellant's brief shall be filed with the commission not more than 30 days after a transcript is filed. Where there are multiple transcripts, the 30-day period begins to run when the last transcript is received by the commission.

(3) A cross appellant's brief shall be filed with the commission not more than 30 days after the cross appellant receives a copy of an appellant's brief.

(4) An appellee or a cross appellee need not file a brief; however, if the appellee wishes to file a brief, the appellee shall submit the brief to the commission within 30 days after the appellee receives a copy of the appellant's brief. If the cross appellee wishes to file a brief, the cross appellee shall submit a brief to the commission within 30 days after the cross appellee receives the cross appellant's brief. "Receipt" of all briefs filed pursuant to this subrule shall be deemed to have occurred 5 days after the date of service/mailing indicated in the proof of service filed by the appellant, appellee, cross

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appellant or cross appellee with the commission.

(5) A proof of service shall be filed with the commission with each brief and served upon all parties or their counsel.

History: 1991 MR 12, Eff. Jan. 2, 1992; 2006 MR 8, Eff. Apr. 19, 2006.

R 418.7 Motion practice.

Rule 7. (1) All motions shall be in writing.

(2) A party who files a motion shall provide all other parties with copies of the motion and file proof of service with the commission.

(3) A party has 14 days from the date the motion was filed to respond to the motion.

(4) A motion or response to a motion representing the existence of facts not in the record adopted by the magistrate shall be accompanied by an affidavit from a person with personal knowledge of any facts stated in the motion.

History: 1991 MR 12, Eff. Jan. 2, 1992; 2006 MR 8, Eff. Apr. 19, 2006.

R 418.8

Source: 1991 AACS.

WORKER'S COMPENSATION BOARD OF MAGISTRATES

R 418.51

Source: 1996 AACS.

R 418.52

Source: 1996 AACS.

R 418.53

Source: 1996 AACS.

R 418.54

Source: 1996 AACS.

R 418.55

Source: 1996 AACS.

R 418.56

Source: 1996 AACS.

R 418.57

Source: 1996 AACS.

R 418.58

Source: 1996 AACS.

BUREAU OF WORKER'S DISABILITY COMPENSATION

WORKER'S COMPENSATION HEALTH CARE SERVICES

PART 1. GENERAL PROVISIONS

R 418.101

Source: 1998-2000 AACS.

R 418.102

Source: 1998-2000 AACS.

R 418.103

Source: 1998-2000 AACS.

R 418.104

Source: 1998-2000 AACS.

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- R 418.105**
Source: 1998-2000 AACS.
- R 418.106**
Source: 1998-2000 AACS.
- R 418.107**
Source: 1998-2000 AACS.
- R 418.108**
Source: 1998-2000 AACS.
- R 418.109**
Source: 1998-2000 AACS.
- R 418.110**
Source: 1998-2000 AACS.
- R 418.111**
Source: 1998-2000 AACS.
- R 418.112**
Source: 1998-2000 AACS.
- R 418.113**
Source: 1998-2000 AACS.
- R 418.114**
Source: 1998-2000 AACS.
- R 418.115**
Source: 1998-2000 AACS.
- R 418.116**
Source: 1998-2000 AACS.
- R 418.117**
Source: 1998-2000 AACS.
- R 418.118**
Source: 1998-2000 AACS.
- R 418.119**
Source: 1998-2000 AACS.
- R 418.120**
Source: 1998-2000 AACS.
- R 418.121**
Source: 1998-2000 AACS.
- R 418.122**
Source: 1998-2000 AACS.
- R 418.123**
Source: 1998-2000 AACS.

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R 418.124
Source: 1998-2000 AACS.

R 418.125
Source: 1998-2000 AACS.

R 418.126
Source: 1998-2000 AACS.

R 418.127
Source: 1998-2000 AACS.

R 418.128
Source: 1998-2000 AACS.

R 418.129
Source: 1998-2000 AACS.

R 418.130
Source: 1998-2000 AACS.

R 418.131
Source: 1998-2000 AACS.

R 418.132
Source: 1998-2000 AACS.

PART 2. MEDICINE AND EVALUATION AND MANAGEMENT SERVICES

R 418.201
Source: 1998-2000 AACS.

R 418.202
Source: 1998-2000 AACS.

R 418.203
Source: 1998-2000 AACS.

R 418.204
Source: 1998-2000 AACS.

R 418.205
Source: 1998-2000 AACS.

R 418.206
Source: 1998-2000 AACS.

R 418.207
Source: 1998-2000 AACS.

R 418.208
Source: 1998-2000 AACS.

R 418.209
Source: 1998-2000 AACS.

R 418.210
Source: 1998-2000 AACS.

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R 418.211
Source: 1998-2000 AACS.

R 418.212
Source: 1998-2000 AACS.

R 418.213
Source: 1998-2000 AACS.

R 418.214
Source: 1998-2000 AACS.

R 418.215
Source: 1998-2000 AACS.

R 418.216
Source: 1998-2000 AACS.

PART 3. ANESTHESIA

R 418.301
Source: 1998-2000 AACS.

R 418.302
Source: 1998-2000 AACS.

R 418.303
Source: 1998-2000 AACS.

R 418.304
Source: 1998-2000 AACS.

R 418.305
Source: 1998-2000 AACS.

R 418.306
Source: 1998-2000 AACS.

R 418.307
Source: 1998-2000 AACS.

R 418.308
Source: 1998-2000 AACS.

R 418.309
Source: 1998-2000 AACS.

PART 4. SURGERY

R 418.401
Source: 1998-2000 AACS.

R 418.402
Source: 1998-2000 AACS.

R 418.403
Source: 1998-2000 AACS.

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R 418.404
Source: 1998-2000 AACS.

R 418.405
Source: 1998-2000 AACS.

R 418.406
Source: 1998-2000 AACS.

R 418.407
Source: 1998-2000 AACS.

R 418.408
Source: 1998-2000 AACS.

R 418.409
Source: 1998-2000 AACS.

R 418.410
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R 418.411
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R 418.412
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R 418.413
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R 418.414
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R 418.415
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R 418.416
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R 418.417
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R 418.418
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PART 5. RADIOLOGY, RADIATION THERAPY, AND NUCLEAR MEDICINE

R 418.501
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R 418.502
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R 418.503
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R 418.509

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PART 6. PATHOLOGY AND LABORATORY

R 418.601

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R 418.602

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PART 7. DENTAL

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PART 8. AMBULANCE SERVICE

R 418.801
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R 418.802
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PART 9. HOME HEALTH AGENCY

R 418.901
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R 418.902
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PART 10. PHARMACY AND MEDICAL SUPPLY SERVICE

R 418.1001
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R 418.1002
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R 418.1003
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R 418.1004
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R 418.1005
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R 418.1006
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PART 11. OCCUPATIONAL THERAPY AND PHYSICAL THERAPY

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R 418.1102
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R 418.1103
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R 418.1104
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R 418.1106
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PART 12. ORTHOTIC AND PROSTHETIC EQUIPMENT

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R 418.1202
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R 418.1203
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R 418.1204
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R 418.1302
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PART 14. VISION AND PROSTHETIC OPTICAL SERVICE

R 418.1401
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PART 15. MISCELLANEOUS SUPPLIER

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PART 16. FACILITY SERVICE

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PART 17. TECHNICAL AND PROFESSIONAL HEALTH CARE REVIEW

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PART 18. DATA ACQUISITION FROM CARRIERS, PROVIDERS, AND FACILITIES

R 418.1801
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R 418.1802
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**PART 19. PROCESS FOR RESOLVING DIFFERENCES
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R 418.1902
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R 418.1903
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R 418.1904
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**PART 20. RECONSIDERATION AND APPEAL OF ACTIONS OF
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- R 418.2001**
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- R 418.2002**
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- R 418.2003**
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- R 418.2004**
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- R 418.2005**
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PART 21. PAYMENT

- R 418.2101**
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- R 418.2102**
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- R 418.2103**
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- R 418.2104**
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- R 418.2105**
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- R 418.2106**
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- R 418.2107**
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- R 418.2108**
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- R 418.2109**
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- R 418.2110**
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- R 418.2111**
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- R 418.2112**
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R 418.2119
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PART 22. BILLING BY PRACTITIONER OR HEALTH CARE ORGANIZATION

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